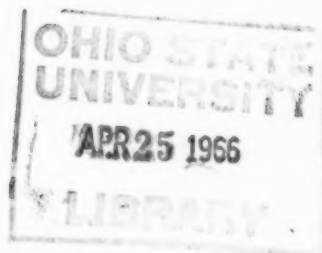


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Linings get new look - refractories under-
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Microencapsulation processes - choice
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Nut coating, developed by Pillsbury,
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Plastic packaging - curtain coating
Polypara-xylylene - new thermoplastic
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Polyvinyl fluoride resin, Dalvor, incor-
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Supersonic aircraft creating new demands
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Thermal-control paints - space vehicle
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Urethane coatings market grows: new
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SunOil unit is heart of new plan to offer
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Bunker-Ramo adds small, fast, low-cost
process control computer for direct
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CPI use computers for wide variety of
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Computer-compiled publication summariz-
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Direct digital control scores with
operators in Owens-Corning Newark, O.
glass plant tryout

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Direct digital control spotlights IEEE
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Drafting goes automatic - computers
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IMC's direct data link with railroads helps
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"Packaged" programs help electronic data-
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term jobs for companies not owning
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Petrochemical pilot plant to aid in direct
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Concentrated Phosphate Export Assn. -
Antitrust attack by Justice Dept.

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Concrete - German invention - special way to continuously pour concrete cuts chimney construction costs - licensed by M.W. Kellogg

Connor, John T. confirmed as Secretary of Commerce; at Senate hearing, he favors liberalization of trade, U.S. business overseas

Construction

Additive for highway sealant

Adhesives for PVX film for use as highway dividing lines

Air curtain

Allied Chemical Tower in Times Square, N.Y. opening of sales office slated for fall

Building sealants should reach \$50-70 million by '70

Carborundum Co. will build world's first processing plant under a geodesic dome

Chemical construction along U.S. waterways sets first quarter record

CMRA predicts chemical use in buildings will expand

Contracts slip

Flame-retardant plastics and foams

German invention - special way to continuously pour concrete cuts chimney construction costs - licensed by M.W. Kellogg

Houston Astrodome - Plastics score in stadiums

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Houston Astrodome gets "sundimmer" coating

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Medusa Portland Cement shipping facilities at Charlevoix, Mich.

expansion plan will use two ships as base of new pier

Plastic pipe market - new state building codes open new markets to plastics (chart & table)

Reinforced-plastics demand inching upward (chart)

Seasonal markets - spring spells sales

Steel tank leg can be fireproofed more effectively

Underwater construction will get specialized attention from new company, Ocean Systems, Inc.

U.S. construction industry sets record

Containers

Blow-molded plastic bottles - size of the market

Blow-molded PVC for food, aims at packaging market

Bottle-cap-lining market - plastics replacing cork

Humble Oil markets motor oil in colored plastic containers

Glass companies consolidated packaging positions by going into plastics

Multilayer-plastic-kraft combination bag

Plastic bottle production

Plastic containers for food market - clear bottles made from PVC, acrylics and phenoxys

Plastic packaging: more bounce where it counts (table)

Rubber and plastic composites for containers for storing corrosive chemicals

Shipping sack market - polyethylene gaining in effort to replace kraft for fertilizer bags

Contraceptives see Drugs

Contractors - Chemical firms rank high among defense contractors

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Contract-maintenance companies have mixed reaction to Supreme Court's recent Fibreboard Paper Products Corp. ruling

Escalation contracts for ethylene continue to gain popularity

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Electrical control center from Westinghouse

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Why controls fail - API Div. of Refining meeting

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Anacosta cuts back production

Copper chemicals used in electroplating - prices

Copper: the shortage lingers on - Business Benchmarks

Direct-firing process for winning copper from low-grade ores

GSA names 233 copper consumers eligible to receive stockpile supplies

GSA sale

Nonferrous metals outlook: mixed (table)

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Copper-phosphorus and copper-phosphorus-silver brazing alloy prices

Copying - Facsimile information transfer systems gaining popularity

Cornell University - Historic first in biochemical research, RNA (ribonucleic acid) structure identified

Corrosion

Cargill introduces corrosion inhibitor for salt used in snow removal - Carguard

Corrosion-inhibiting liquid

Corrosion preventive

Cosmetics - Antimicrobial for cosmetic formulations

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Du Pont booklet spells out pollution control costs - five case histories

Moving costs for relocated personnel gains urgency as management goal

Cotton

Novel treatments - two impregnation techniques and new wrinkle-resistant agent

Stretch cotton will not be big new market for chemicals

Cresol - Koppers making o-cresol by methylation of phenol, getting 2,6-xylene as coproduct

Cresylic acid

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Supplies tightening

Cross-linker

Cryogenics

Cold storage for liquefied natural gas

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Cryotransfer - device for nitrogen-freezing of food

Helium dewar

Jet freezing - new food-freezing process using nitrogen

Process for making high-purity aluminum by freezing Feb. 27-65

U.S. Steel process links coke-oven ammonia recovery to production of cryogenic hydrogen

Using same gas turbine to provide compression of both power and refrigeration will reduce cost of cryogenic refrigeration systems

Crystallization - Freeze-purification process turns out pure aluminum Feb. 27-65

Curing agent, epoxy

Custom-processing - Boom times in CPI spell growth and profits for custom-processing companies

Cyanuric fluoride

Cyclamates

Cyclamate sweetener prices

Import duty

Sweetener production starts at Cyclamate Corp. of America's Newark, N.J. plant

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Bright spot in benzene's future (table)

Celanese route to nylon intermediates

Export-inflated markets tempt new producers, whet appetites of established ones - production, capacity (chart & table)

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Scientific Design's cyclohexane oxidation process

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Program to find improved materials to meet military needs launched

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Eli Lilly and FDA disagree on whether swine feed additive still is 'new'

Federal purchase of 'pirated' drugs would be banned under new bill

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Another generation ahead? - stick with LAS or switch to new, possibly softer intermediates

Antidetergent legislation will not be introduced this year

Dallas' Grain Chemical aims for \$7 million sales this year, doubles capacity following sales staff expansion

How to succeed in detergents - Viewpoint - letter

Laboratory detergent

Monsanto researcher Callis reveals new details of making synthetic detergents without use of spray towers

Paraffin prices

Procter & Gamble test marketing controlled-sudsing detergent, Bold

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Second-generation detergents face challenges from Congressional probe and batch of alcohol-based rival products

Western European synthetics detergent market - biodegradability will cause each country to take different routes

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U.S. leads as plastics exporter	Jan. 30	35	Information center for synthetic fibers	Mar. 27	63	Gulf Oil opens chemical ledgers to the public	May 15	23
U.S. shippers fear dock strike's pinch in exports will prove blessing for foreign competition	Feb. 13	29	Japan's synthetic fiber prices drop	Jan. 19	84	Higher cash dividends paid	Mar. 6	17
Expositions - Action behind the scenes at Paris Chemshow	May 15	91	Japanese acrylonitrile staple fiber exports to the U.S.	Jan. 30	35	How much will it cost to keep up with the competition in '65 - research budgets, capital outlays (charts & table)	Jan. 9	24
Extraction - Shell's Sulfonate aromatic extraction process to be used in Puerto Rico plant	Mar. 27	72	Kodel fiber expansion	Jan. 16	44	Magnuson bill - A way to pick foreign plums - Viewpoint	Apr. 17	5
Extruding - New method of extruding Hercules' high-density, ultrahigh-molecular-weight polyethylene	Mar. 20	88	Medical synthetics - artificial body parts of plastics and fibers amount to a \$10-15 million/year market	June 19	18	Manufacturing sales and profits up	Apr. 17	33
			Military applications - new materials replace wood, metals in weapons	Jan. 2	21	McGraw-Hill Dictionary of Modern Economics	Jan. 2	8
			Monsanto will fight Acrilan suit filed by Bell Industries	June 19	93	McGraw-Hill's 18th capital spending survey - capacity increases, sales increases, R&D programs, increase in technical staffs (charts & tables)	May 1	15
			Polyester fibers see Polyesters	Mar. 6	17	McGraw-Hill industry's survey for capital spending - Score to make plans by - Viewpoint	May 1	5
			Polypropylene fibers see Polypropylene			Mergers see Industry Developments		
			Whiskers - greater availability, lower prices open new markets for inorganic filaments and whiskers	Feb. 13	65	NICB survey reveals foreign markets becoming still more important to U.S. companies	Mar. 20	17
			Films - Chemical companies stress multiple use for sales films	Mar. 13	101	1965 first quarter - boom rolls on with CPI matching pace of auto and steel industries	Apr. 10	43
						No time for cold feet - McGraw-Hill economist Gordon W. McKinley examines and rejects the reasons most often given for a second-half business downturn - Viewpoint	Feb. 6	5
						"Operational auditors" - new breed of financial men help management raise efficiency in manufacturing, purchasing, advertising, other operations	Apr. 17	104
						Overlook for '65	Jan. 2	7
						Overview business survey shows chemicals rank first in new industrial ventures abroad	Jan. 2	13
						Paper industry '64 sales and earnings (table)	Mar. 6	23
						Petroleum industry largest single capital spender in process industries	Mar. 20	18
						Polymer Corp. to star in new Canadian development group	May 22	84
						President Johnson's budget	Jan. 30	21
						President Johnson will include space budget in regular budget	Jan. 23	27
						President's prediction: more boom	June 19	25
						Profit-sharing perks up in '64 (table)	Apr. 24	44
						Profit-sharing plans - Eastman Kodak will distribute wage dividend; Abbott Laboratories cash bonuses	Jan. 9	66
						Research budgets	Jan. 16	53
						Rubber and tire companies take new routes to bolster earnings (table)	Mar. 20	27
						Sales and earnings		
						Sales and earnings of chemical companies with uncommon reporting periods (table)	Jan. 2	11
						Third quarter '64 (table)	Jan. 16	29
						First '64 returns	Jan. 23	18

Sales and earnings for '64 - early financial data show glowing sales and profits (table)	Jan. 30	13	Bureau of Medicine reorganized	Jan. 16	32	GE technique for control of fuel-cell membrane quality	Mar. 27	66
Fourth quarter (table)	Feb. 6	25	Congressional investigation could lead to tougher restrictions on over-the-counter drug products	June 19	23	100-watt fuel cell operating on coal gases	Feb. 6	80
Last year was the greatest - totals for '64 (table)	Apr. 3	14	Drug labeling requirements eased	Feb. 13	42	Fungicides - Pretesting and evaluation of agricultural chemicals	June 12	51
Divisional sales data from chemical companies (table)	Apr. 17	44	Drug rules demand drug houses reduce penicillin-contamination of other drugs during manufacture, packaging	Feb. 13	100	Furan - Foundry binders: new products may get chance if furan-based materials increase in price	Mar. 27	35
First quarter (table)	Apr. 24	44	Human tissue bank being established	Apr. 24	34	Furfural		
First-quarter records smashed (chart & table)	May 1	17	Lilly and FDA disagree on whether swine feed additive still is 'new'	Apr. 24	69	Prices	Apr. 10	87
First-quarter boom was broad-based (table)	May 8	29	Regulation of drugs for food-producing animals under review	June 19	30	Supply shortage	Mar. 6	88
Late-reporting companies (table)	May 29	18	Will not prosecute several major drug firms for alleged dissemination of false advertising	Feb. 20	35	Furfuryl alcohol supply shortage	Mar. 6	58
Sales and earnings keep climbing despite 8.1% drop in chemical stock prices (chart)	June 26	19						
Steel strike - how steel shutdown would hurt (table)	Apr. 24	43	Formaldehyde			Furnaces		
Stock option plans proposed by companies at annual meetings	Apr. 24	45	Formaldehyde finds new pastures - letter GAF plant at Calvert City, Ky.	Jan. 16	16	Carbon electrode for phosphorus electric furnaces	Jan. 30	57
Stocks chalk up closing-level record	Feb. 6-17, 25		Airt venture will offer turn-key formaldehyde plants	May 22	18	Foster Wheeler patent on furnace for use in high-severity cracking	May 15	111
10-point program to improve America's balance-of-payments position - key section may have serious effect on overseas operations	Feb. 20	35	Monsanto's Eugene, Ore. plant starts production	Jan. 30	58	High-severity-cracking furnace for ethylene will be installed in ROW plant	Feb. 27	65
Texas Gulf Sulphur annual meeting - embattled management presses expansion while facing lawsuits by SEC and stockholders	May 1	14	Prices	Mar. 13	77	Hooker's halogens disposal system - key is recuperative-heat furnace	Apr. 10	122
Texas Gulf Sulphur - stockholder suit pile-up	June 12	38	Foundries			Rotary leather made of titanium helps cut costs of titanium processing at TMCA's Henderson, Nev. plant (table)	Apr. 24	133
US exporters get easier credit and broader payment protection	June 12	95	Binders: new products may get chance if furan-based materials increase in price	Mar. 27	35	Vertical kiln for retorting crushed shale	Apr. 24	120
Venezuela seeks private capital - government tries to convince businessmen they are wanted in petrochemicals	May 8	55	Self-setting foundry binder	Apr. 17	122			
Water resources development - major boost in funds tied in power struggle	Apr. 17	56	Fragrances - Naarden moves into U.S. market with takeover of Flavorex (map)	Jan. 9	37			
Fireclay - Refractories undergoing big composition change (table)	May 15	115	France					
Fire retardants			Ammonia project	Feb. 6	32			
Flame-retardant	Mar. 20	101	Canada and France near deal for long-term uranium supply	June 12	87			
Flame-retardant plasticizer, Kroniflex EX	May 15	86	CPI issues bonds for expansion round	Apr. 10	66	Garvin, Clifton Jr. - New president of Enjay Chemical - he aims to boost profits, not volume	Apr. 24	141
Reactive intermediates for making flame-retardant plastics and foams	May 29	31	Coal authority goes deeper into chemicals	Apr. 24	107			
Urethane coatings with new emphasis on fire retardancy	Jan. 9	45	Dimethyl sulfoxide plant	Feb. 20	91	Gas		
Fittings			EEC science planning called for	Apr. 10	65	Carbon monoxide - tube-trailer loading could open new markets	June 12	65
Epoxy-bonded fittings	May 22	107	Foreign forecast - report Charles Joslin	Jan. 23	49	Chemtron Corp. ups its ante in gases and chemicals - captive use to take larger share of phosphate output	Jan. 30	18
High-pressure tube fitting	June 12	101	Industrialists foresee economic slide, are blaming government policies	Mar. 13	45	GE technique for control of fuel-cell membrane quality	Mar. 27	66
Flavors - Naarden moves into U.S. market with takeover of Flavorex (map)	Jan. 9	37	Roussel-Uclaf, No. 2 pharmaceutical maker doubles sales in five years	Apr. 10	60	Japanese town gas project	Feb. 13	86
Floors			Rubber company formed	Feb. 13	86	Nonlethal gases used in Vietnam spotlights research on psychochemical agents	Apr. 10	83
Oxychloride cement flooring materials increase sales pace	Apr. 3	30	Seventh International Chemical Exposition action behind the scenes at Paris	May 15	91	Gaskets, manhole	Jan. 9	83
Plastics - letters	Feb. 6	7	U.S. businessmen worried about mounting campaign against dollar investments; new technology is still welcome	Feb. 20	88			
Flotation - Anionic-cationic selective flotation to recover mica particles from mill residues of tailings	May 8	84	Worries about sulfur	May 22	83	Gasoline		
Fluids - Coolant fluid	Jan. 9	84	Freight Rates			Additives - changing outlook for gasoline and oil additives (table)	Apr. 10	71
Fluids - Crystals of optical-quality magnesium fluoride	May 22	107	Air cargo see Air Freight			Consolidation Coal's Cresap, W. Va. plant will employ new process to get liquid fuel from coal	June 19	87
Fluorocarbons			American Airlines files tariff that could cut air freight costs and improve service	Feb. 6	59	Consolidation Coal process for converting gasoline from coal - route: separating coal into fractions for hydrocracking, carbonization, coking	June 26	57
Additive for ferrous metals refining - Skamex	Mar. 20	87	ICC cancels higher truck freight rates in effect for 18 months	Mar. 27	32	Eso process converts crude oils to over 100% volume yields of gasoline	May 8	84
Solid fluorocarbons being investigated as propellants	Mar. 6	68	ICC opens hearings on various payment plans for tank-car owners	Apr. 17	55	Gulf Oil-Houdry Process and Chemical licensing agreement of selective hydrogenation process for pyrolysis gasoline	May 15	111
Fluorochemical thin film extends ball bearing life	May 1	29	In-transit damage liability insurance - efforts to block transfer from rail carriers to shippers	Jan. 30	45	Independents ask FTC to adopt regulation prohibiting big companies from dropping prices just to meet competition	May 15	44
Fluoropar - Longshoremen's strike stops shipments from Mexico	Feb. 6	23	Japan-North America freight rate groups trim increases	Apr. 24	129	Gems see Emeralds		
Fluxes - Chemicals made and used by the steel industry - outlook for the next five years (chart & tables)	May 8	71	Lower rail freight rates for industrial chemicals may be set this year	Jan. 16	31	Generators		
Foams			Mileage allowances - decision on tank car allowances due soon as ICC concludes hearings	May 22	99	Dow will install giant gas-turbine at Freeport, Tex. plant	June 5	88
Aerospace expandable structures spotlight plastics, foams and fibers	June 5	39	Mileage-allowances - Sante Fe adopts tank-car mileage-allowances plan; action likely to bring loaded-mile concept to other Western roads	Feb. 13	103	8,000-watt ac. generator based on a superconducting magnet	Apr. 10	83
Continuous process for laminating urethane	Jan. 16	53	New York Central R.R.-Pennsylvania railroads proposed merger would improve rates, service	Apr. 10	129	MHD generator powered by explosives	May 8	78
Du Pont's aerosol foam system based on Baymal colloidal alumina	May 29	55	Ocean rates going up	Mar. 6	77	Propane-burning thermoelectric generator system for buoy use	May 22	60
Foaming agents from Lucidol	Mar. 6	67	Ocean shipping - lower rates in prospect due to Douglas Committee report	Jan. 16	39	Solar energy - four different methods of transforming solar energy into usable power	Apr. 10	83
Reactive intermediates for making flame-retardant plastics and foams	May 29	31	Potential \$500-million/year in transportation costs - President proposes new taxes	Feb. 6	37	Germany		
Urethane foam used in Houston's Astro-dome stadium	Apr. 17	87	St. Lawrence Seaway - traffic surge has brought tonnage close to predictions, eased pressure for toll hikes (chart)	Feb. 27	29	East Germany - US licenses Litwin Engineering to export Standard Oil (Ohio) acrylonitrile technology	Jan. 30	14
Food			Sulfur rail rates - ICC overrules Freeport Sulphur and TGS objections on Canadian rates (chart)	June 5	45	Petrochemical complex planned at Burghausen, Bavaria	Feb. 27	8
Cryotransfer - device for nitrogen-freezing of food	Feb. 20	92	Fuel			Petrochemicals make gains in the Saar	Jan. 30	35
Machine-produced X-rays in preserving bacon	Jan. 9	96	Ammonia, LPG and ethanol may get another chance to fuel automobile engines (table)	May 1	25	Ghana - Aluminum projects	Feb. 20	25
PHS seminars being conducted in face of recent disclosures that modern food packaging and processing techniques are creating unforeseen food poisoning problems	Jan. 2	15	Consolidation Coal's Cresap, W. Va. plant will employ new process to get liquid fuel from coal	June 19	87	Glass		
Radiation chemistry in commercial food preservation - potato storage will be first goal	Feb. 27	40	Consolidation Coal process for converting gasoline from coal - route: separating coal into fractions for hydrocracking, carbonization, coking	June 26	57	Corning Glass Work's waste heat boiler at Wellsboro, Pa. plant is showing that fouling problems aren't as formidable as they appear (flowsheet)	June 26	71
USDA process peels bran from wheat, yields white cereal food	Jan. 30	37	Hydrocracking processes - growing need for auto fuels is spur to development (table)	May 15	69	Differential Surface Refractometer for measuring the strength of tempered glass nondestructively	Feb. 6	78
Food additives			Hydrogenating processes promise to yield liquid fuels from coal	Jan. 30	36	Direct digital control schemes with operators in Owens-Corning Newark, O. glass plant tryout	May 1	33
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Artificial sweeteners, as now used, are safe	May 29	28	Fuel Cells			PPG's float-glass plants - plans firmed up for unit at Crystal City, Mo., West Coast project next	Mar. 11	88
			Allis-Chalmers series of fuel cells	May 8	78	Quartz windows	May 29	59

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Glass-fiber ducting	May 15	123		Hydrocarbon resin production starts at Reichhold's Gulfport, Miss. plant	June 26	68	Petrochemical producers may get their own quotas	May 8	21
Hystran piping and fittings made of epoxy resin reinforced with filament-wound glass fiber	Feb. 27	44		Liquid hydrocarbon extraction plant - joint venture of Dow and Coastal States Gas Producing	May 15	17	Politics in oil quotas - Viewpoint	Mar. 20	5
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Bell Telephone Labs awarded patent for basic process of making epitaxial transistors	Feb. 6	74	Spain			New plans and activity in phosphates	Jan. 23	17
British drugmakers worry over patent legal setback	Feb. 13	85	Spain's petrochemical tax benefits are a long time coming	Feb. 27	24	Phosphate coating	Feb. 27	69
Drug patents - bill to cut patent time on a drug from 17 to three years	June 19	30	Sunray DX Oil pushes petrochemical growth plans; para-xylene startup first step	Feb. 6	24	Previewing big projects based on Salt Lake brine (map & table)	June 12	34
Federal grip on patents developed under government R&D contracts loosened	June 19	29	Venezuela seeks private capital - government tries to convince businessmen they are wanted in petrochemicals	May 8	55	Prices for phosphate rock and triple superphosphate	Apr. 17	83
FMC-Stauffer settle patent lawsuit	Jan. 16	35				Producers firming up major plant projects	Feb. 13	22
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Demand for royalties on pressure reformers-ammonia builders and operators look for loopholes	Jan. 23	71	Continental Oil joining with Cities Service in New Guinea exploration program	May 22	18	Phosphoric acid		
McClellan bill - chemical spokesmen support bill but passage is far from sure	June 12	38	Esso process converts crude oils to over 100% volume yields of gasoline	May 8	84	Canadian phosphoric process launched in Germany	June 5	71
Methods of diffusing metals into a base metal - patents licensed to Alloy Surfaces Co.	Feb. 6	74	Foster Wheeler patent on furnace for use in high-severity cracking	May 15	111	Olin Matheson - Pasadena, Tex. plant production	June 5	67
'65: crisis for patent system	Feb. 27	16	Gulf Oil-Houdry Process and Chemical Co. licensing agreements - hydrocracking process and selective hydrogenation process for pyrolysis gasoline	May 15-69	111	Process patents under attack Apr. 10-36	Apr. 17	34
Patent Office fees would be increased by two new bills: Johnson-backed bill and Dodd measure Feb. 6-24	Mar. 27	31	Hydrocracking processes - growing competition may make big alterations in catalyst sales patterns (table)	May 15	69	Trade-secrets suit - ex-employees charge Armour & Co. illegally obtained patent rights to their phosphate process	Mar. 6	24
Patent fee legislation	Apr. 3	6	Indianapolis "500" - promotional rewards for products used in leading cars	May 22	47	Phosphors		
Patent procedures and fees - letter			Indonesia takeover: Caltex, Stanvac refineries are latest targets in anti-U.S. campaign	Apr. 3	48	Color television growth changing the phosphor market (chart)	Apr. 17	45
Phillips Petroleum issued patent covering cis-polybutadiene rubber; Goodrich-Gulf initiates court action Apr. 24	May 1	16	In situ combustion to boost crude oil recovery	Apr. 24	116	Rare-earth phosphors in color tubes	Mar. 27	72
Phosphoric acid process patents under attack Apr. 10-36	Apr. 17	34	Japanese oil refinery at Moron, Venezuela	May 22	83	Phosphorus		
Raise patent fees - Viewpoint	Feb. 27	5	Linde zeolite is key to Union Oil's new hydrocracking units	Apr. 24	119	Flame-retardant reactives for urethane foams	May 29	31
Senate revolt against flexible patent policies of the Administration	Apr. 17	55	Mergers in oil and chemical industries still under attack	Apr. 24	60	Ocean mining M.G. Lurie	Apr. 17	130
Supreme Court will decide whether a company can collect damages for business injuries suffered through a fraudulently obtained patent	Feb. 6	38	Mississippi oil refinery planned	Jan. 23	31	Progress on recovering phosphorus from low-grade phosphorus shales	May 8	77
Tetrazycline patents see Annihilators			Nalco's new FCC cracking catalyst	June 5	79	Photography		
Tighter federal control over patents developed through use of federal funds	Feb. 20	35	Novel petroleum refining scheme bypasses gasoline, makes ethylene-propylene directly from crude oil	Apr. 24	120	Dry, in-flight processing of aerial photos	May 29	64
Toward world patent harmony - Viewpoint	June 26	5	Oil and chemical men clash over proposal to import low-cost feedstocks; at issue: special import quotas, foreign-trade-zone plants	Mar. 20	25	Photographic film - spring spells sales	Apr. 24	80
Patrick, Ruth, limnologist - Biological approach to pollution detection and control: assessing effect of plant discharges on whole dynamic web of stream life	Jan. 23	81	Oil companies largest single capital spender in process industries	Mar. 20	18	X-ray fluorescence camera	Apr. 10	107
Penicillin			Oil feedstocks - chemical industry access to foreign feedstocks will remain unchanged	June 26	25	Phthalate ester - Prices	Feb. 20	74
FDA rules demand drug houses reduce penicillin-contamination of other drugs during manufacture, packaging	Feb. 13	108	Oil imports: Dow makes bid for trade zone at Bay City, Mich.: Monsanto insists on equal treatment for other chemical concerns	June 19	24	Phthalic anhydride		
Prices	May 1	82	Oil vs chemicals: feedstock fight nears showdown	June 5	24	Lurgi will offer von Heyden process	Feb. 20	92
Tolerance levels for penicillin contamination set by FDA	Jan. 30	22	Petroleum demand keeps pace - Business Benchmarks	Feb. 13	114	Prices Jan. 30-45, Mar. 6-58, Mar. 27-57, May 29-45	June 19	76
Pennsylvania State University			Petroleum: picture of health - Business Benchmarks	May 8	98	Production and capacity	Jan. 9	79
New type of molecular sieve - Composite Carbon Molecular Sieve (CCMS)	Apr. 10	124	Politics in oil quotas - Viewpoint - letter	Apr. 17	7	Puerto Rico Chemical's plant at Arecibo - Commonwealth Petrochemical will supply feedstock	June 26	17
Treated effluent used for spray-irrigation helps replenish groundwater, yields key plant nutrients	June 19	46	Processing oil	Feb. 6	92	Pigments		
1M, 1H-pentadecafluorooctyl methacrylate - Ultrathin fluorocarbon film extends ball bearings life	May 1	29	Residual fuel oil for furnaces and power generation appears headed for free market	Apr. 17	56	Fertilizer pigments	May 15	124
Penterythritol			Residual fuel oil - plans to eliminate controls on imports abandoned	Apr. 10	49	Pearlescent pigment Feb. 13-110	May 29	60
Celanese plans U.S. production for '66	Feb. 6	18	Testing antifouling effectiveness of refinery feedstock additives in preheat exchangers	Apr. 17	66	Red pigment	Feb. 27	69
Prices	May 8	68	UOP's Venema emissions radical new refinery	May 22	96	Pine gum - Pine conversion process leads way as host of new naval stores chemicals vie for commercial jobs	Jan. 23	87
Perfumes - Naarden moves into U.S. market with takeover of Flavorex (map)	Jan. 9	37	Pharmaceutical Manufacturers Assn. - Human tissue bank being established	Apr. 24	34	Pinene - Conversion process leads way as host of new naval stores chemicals vie for commercial jobs	Jan. 23	87
Peroxides			Phasol			Pinonic acid	Feb. 13	109
New products will alter peroxide sales patterns, but won't slow sales growth - major organic peroxides and their outlets (chart & table)	Apr. 24	73	Koppers making o-cresol by methylation of phenol, getting 2,6-xylenol as co-product	May 22	53	Piping		
Organic peroxide	June 12	101	Outlet for benzene (table)	Mar. 6	50	Canadian pipelines - letter	Jan. 30	6
Pesticides see Insecticides			Union Carbide plant near Bound Brook, N.J. planned	June 19	26	Epoxy-bonded fittings	May 22	107
Petrochemicals			Phosgene - Chemetron Corp. - captive use to take larger share of phosgene output	Jan. 30	18	Gas laser device measures fluid flow in pipelines	Jan. 2	37
Brazil campaigns for bigger investment in petrochemicals, boosts Petrobras investment	Apr. 10	57	Phosphate			Georgia-Pacific extends waste pipeline into Pacific Ocean to overcome objections of resort owners	May 8	94
Free trade zones see Imports			Antitrust attack on export group by Justice Dept.	Jan. 2	11	Hydrant piping and fittings made of epoxy resin reinforced with filament-wound glass fiber	Feb. 27	44
Germany - complex planned at Burghausen, Bavaria	Feb. 27	8	Canada - New Brunswick fertilizer complex	May 29	10	Insert flange	May 22	107
Gulf Oil plans complex in Great Britain	Apr. 24	107	Canadian fertilizer plant	Feb. 13	85	Natural gas pipeline opens in Texas	Apr. 24	49
India - petrochemical plant near Bombay	June 12	96	Diammonium phosphate plants planned in Florida by W.R. Grace & Co. and American Cyanamid Jan. 2-42	Jan. 9	23	Nitrous oxide for pipeline leak detection use grows (charts)	Feb. 6	51
Japanese build more petrochemicals	May 29	37	Dutch elm disease preventive - Shell Chemical's Bidin organic phosphate	Mar. 13	83	Plastic pipe - filament-wound glass-fiber-reinforced pipe	May 15	23
Japanese demand up	Mar. 27	47	Fertilizer materials sales will climb this year	Apr. 17	38	Plastic pipe market - new state building codes open markets to plastics (chart & table)	Jan. 16	59
Mexico making fertilizer, petrochemical moves	May 22	83	Fertilizer plants - Borden Chemical and Occidental Petroleum in Florida	May 22	25	Railings made of pipe coated with colored epoxy	Apr. 24	139
Novel petroleum refining scheme bypasses gasoline, makes ethylene-propylene directly from crude oil	Apr. 24	120	Granulating-ammoniation process give more uniform ammoniated phosphate granule - Cepco's Sphero-Form	May 8	83	Son Oil's computerized drafting of isometric piping drawings	Mar. 20	73
Olin Mathieson will own 100% of new Spanish plant	June 5	71				Trieste-Bavaria pipeline work starts	Feb. 20	52
Phillips Petroleum Puerto Rican complex May 8-21, May 22-17	June 26	17				Plant Engineering and Maintenance Conference - How can management tell whether maintenance is operating effectively?	Mar. 20	84
Puerto Rico's petrochemical boom (map & table)	Feb. 20	21				Plant Location - Plant-site seekers - states, cities, regions battle for new industry	June 5	73
Puerto Rico - Sinclair Oil considers project	June 26	17				Plants		
Puerto Rico - Standard Oil (Indiana) plans complex	June 19	17				Carborundum Co. will build world's first processing plant under a geodesic dome	May 1	36
Puerto Rico - Standard Oil of N.J. plans complex May 15-18, May 22-17	June 5	25				Effect of plant efficiency on prices	Apr. 10	49
						Geigy Chemical streamlines batch-type drug formulation at new Suffern, N.Y. plant	June 19	37
						Linde offers unattended nitrogen plant	Apr. 5	53
						Plasma spraying units	June 26	81

Plastic film			Production growth will taper off this year			Polymerization		
Adhesive for PVC film for use as highway dividing lines	Apr. 17	122	Railing for stairways and catwalks made of pipe coated with colored epoxy	Jan. 2	42	German two-step polymerization method improves processability of stereoregular	Jan. 16	40
American Viscose production plans	Apr. 3	17	Reactive intermediates for making flame-retardant plastics and foams	Apr. 24	139	Lasers to promote chemical reactions - two firms trigger polymerization reactions but commercial jobs appear distant	Apr. 17	113
Extruded Film Corp. guns for oriented polypropylene film sales	Feb. 13	103	Reinforced-plastics demand inching upward; boats are bright spot in market (chart)	May 29	31	Lasers trigger polymerization reactions	Apr. 10	102
Packaging film	Apr. 24	146	Sales for '65	Jan. 30	41	Trioxane polymerization studied by Continental Oil	Apr. 17	121
Plastic packaging: more bounce where it counts - new films: structured films, shrink films (tables)	Apr. 3	56	Sinclair-Koppers corporate partnership to broaden plastics operation	Jan. 2	7			
PE film resin prices	Apr. 10	88	Standards for use of reinforced plastics in process equipment	Jan. 16	28			
Polyolefin price cut	Apr. 3	43	Supersonic aircraft creating new demands on plastics for windows	Feb. 27	66	Polymers	Feb. 13	110
Poly-para-xylyne - new thermoplastic bids to capture piece of market for tough ultrathin coatings (table)	Feb. 27	59	Thermoplastics information center	Apr. 24	52	Acrylic copolymer	May 29	60
Prices	Feb. 27	53	Union Carbide - polysulfone	June 19	84	Copolymer having the features of rubber and plastics	May 8	78
Plasticizers			Union Carbide's polysulfones - profile of a new plastic (table)	Apr. 10	101	Copolymer of octadecyl vinyl ether and maleic anhydride	May 15	123
Epoxy plasticizers prices	Jan. 2	41	U.S. leads as plastics exporter	Apr. 17	116	Diamond Alkali may be next acetal copolymer producer	Mar. 27	71
Flame-retardant plasticizer, Kroniflex EX	May 15	36	Whiskers - greater availability, lower prices open new markets for inorganic filaments and whiskers	Jan. 30	35	Emulsion polymer	Feb. 27	69
Phthalate ester prices	Feb. 20	74		Feb. 13	65	Epoxy acrylic polymer	Mar. 20	101
Phthalate plasticizer prices Jan. 2-41, Mar. 20-63	Mar. 27	57				Ethylene-vinyl acetate copolymer series	Jan. 30	57
Plastics			Plastics See also specific plastic			'Inorganic benzene', phosphonitrilic chloride, finally yielding commercially hopeful products (table)	Feb. 20	97
ABS expansions by Rexall Chemical and Marbon Chemical	May 22	23	Explosive cladding facilities of Du Pont will undergo five-fold capacity expansion (table)	Apr. 24	134	Dimension - Phosphonitrilics - a big and venerable family	Feb. 20	98
ABS plastics - Marbon Chemical's rapid growth in ABS, especially in chrome-plate applications and refrigerators	June 26	22	Metal-to-plastic plating methods cutting costs in automotive and building markets	May 22	7	Polymeric derivatives for use in spray-on bandages, aerosol hair sprays coatings	June 26	81
ABS plastics - producers jostle for new plants and processes: processes, prices, markets, producers etc. (charts, table, flowsheet)	June 12	108	Plated plastic uses range from door knobs to auto bumpers (charts)	Jan. 23	76	Poly-para-xylyne - new thermoplastic bids to capture piece of market for tough ultrathin coatings (table)	Feb. 27	59
ABS plastics - process for plating	May 29	17	Process for plating Novodur	Feb. 27	46	Polypropylene copolymer	June 26	82
Novodur	May 29	17	Rhodium plating solution	May 29	17	Prices	June 12	84
ABS plastics - Union Carbide offering licenses	June 5	80	Vapor-plating process for depositing titanium carbide onto tools and dies	Feb. 20	82	Radiation graft copolymer is basis of new battery separator	June 5	80
ABS plastics - Union Carbide plans resins plant at Bound Brook, N.J.	June 19	26	Plutonium - Guaranteed prices for privately owned plutonium	Apr. 3	54	Rubber polymer	Jan. 9	84
ABS resin capacity disclosed by Borg-Warner	Mar. 20	64	Plywood - Arkansas Louisiana Gas plans plant near Curdon, Ark.	Apr. 10	50	Vinyl acetate-ethylene copolymers - AIRCOFLEX 100	May 15	112
ACS meeting unveils new products	Apr. 17	115	Polishes - Morton Salt buys majority interest in Simoniz Co.	May 29	9	Polyolefins	June 5	79
Aerospace expandable structures spotlight new plastics, foams, fibers	June 5	39	Politics - Organized labor putting extra effort into political action at state and local levels	May 8	48	High-temperature polyolefin from ICI	May 15	124
Art forms - synthetic resins spotlighted	Mar. 27	26		Jan. 30	64	Low-molecular-weight polyolefin called Alatac 100	Apr. 3	43
Automobile market - pitch for bigger share of car market	May 15	24				Packaging film price cut	June 5	79
Automotive applications - Society of Automotive Engineers congress and exposition	Jan. 23	24	Polyesters			Polyolefin secondary antioxidant	May 22	76
Blow-molded plastic bottle market	Jan. 30	46	Chlorostyrene will go commercial as polyester curing agent	Feb. 20	100	Poly-para-xylyne - New thermoplastic bids to capture piece of market for tough ultrathin coatings (table)	Feb. 27	59
Boomtime over for plastics? - Business Benchmarks	Apr. 24	150	Diversifying into polyester fibers - Bates Mfg. Co. and FMC's American Viscose Div.	Mar. 27	25	Polypeptides	Feb. 20	82
Bottle-cap-lining market - plastics replacing cork	Feb. 13	37	Fiber and film forecasts	Mar. 6	57	Polypropylene	June 26	82
Bottle production	May 22	72	Fiber makers launch retail promotion drive to win sales of permanent-press garments - letter	Feb. 20	41	Polypropylene copolymer	June 12	105
Cold-hardening liquid plastic for making do-it-yourself imitation stained glass	May 29	17	Fiber prices	Mar. 13	16	Dyeable polypropylene fiber	Feb. 13	103
Containers for food market - clear bottles made from PVC, acrylics and phenoxys	Apr. 17	43	Fibers heading for broader markets - price cuts, capacity buildup	Jan. 23	66	Extruded Film Corp. guns for oriented polypropylene film sales	Apr. 10	76
Containers of rubber and plastic composites for storing corrosive chemicals	Mar. 20	70	Kodel fiber expansion	Jan. 30	15	Plastic medical specialty - Marlex mesh	Apr. 3	56
Copolymer having the features of rubber and plastics made from butadiene and styrene	May 8	78	Polyester carrier	June 19	18	Plastic packaging: more bounce where it counts (tables)	Mar. 6	81
Cord auto from thermoforming mold	May 15	24	Polyester fiber market - capacity, producers, expansions (chart & table)	May 15	124	Polypropylene coating	Mar. 13	87
Corfam prices	Mar. 27	58	Polyester resins	May 15	77	Polysaccharide - One gum to do the job of two		
Distributors step up market research in bid for sales	Apr. 10	79	Reinforced polyester 'instant airports' for jets, vertical take-off aircraft	Jan. 23	40	Polystyrene	May 29	63
European plastic makers request uniform standards for food packages	Mar. 20	99	Spun-bonded polyester product from Du Pont-Reemay	Feb. 27	62	Dow Chemical sends letters to producers calling attention to polystyrene patent available for licensing	May 29	63
Expansion and integration moves in monomers, resins and fabricating	Feb. 6	24	Terephthalic acid in polyester fiber - expansion plans	Feb. 13	73	Plastic packaging: more bounce where it counts (tables)	Apr. 3	56
Flooring - letters	Feb. 6	7		Apr. 3	53	Polysulfide - Building sealants market	Jan. 16	69
Houston's Astrodome stadium provides huge market for plastics - other stadiums planned	Apr. 17	87	Polyethylene			Polyvinyl chloride	Feb. 20	105
Japanese production boosted	May 15	9	Acetoxyated polyethylene	Jan. 30	57	Blow-molded containers for foodstuffs	Feb. 20	105
Medical synthetics - artificial body parts of plastics and fibers amount to a \$10-15-million/year market	Mar. 27	47	Bottle-cap-lining market - plastics replacing cork	Feb. 13	37	Bottle-cap-lining market - plastics replacing cork	Feb. 13	37
Metal-to-plastic plating methods cutting costs in automotive and building markets	Jan. 2	21	Du Pont suing Carbide for infringement on Traver patent on treating polyethylene to improve ink adhesion	May 15	111	Combination centrifuge and sonic defoamer for PVC latex manufacture	Apr. 17	43
Military applications - new materials replace wood, metals in weapons	Jan. 23	76	Du Pont wins polyethylene printing technology lawsuit	Feb. 13	28	Japanese makers trim cutback	Feb. 20	85
N.Y. State "crashproof auto" bill calling for new plastic parts	June 19	93	Emulsifiable polyethylene	May 8	64	Outlet for peroxide (chart)	Apr. 10	65
'64: a rousing year for plastics - Business Benchmarks	Jan. 9	26	Extrusion coating line	June 5	80	Plastic packaging: more bounce where it counts (tables)	Apr. 3	56
Novawood see Wood	Mar. 13	108	Form for easy pipe holes	Feb. 13	109	Plastic pipe market (chart & table)	Jan. 16	59
Ocean exploration triggers search for new materials	Mar. 27	75	France sells highpressure polyethylene process to Japan	June 5	71	PVC-based sole material - latest	May 1	45
Packaging: more bounce where it counts - what's new in resins and applications, sales statistics, outlook (tables)	Apr. 3	56	High- and low-density polyethylene materials	June 5	71	Strong vinyl market prompts spate of new resin and film production units	Feb. 27	69
Peroxides outlets (chart)	Apr. 24	73	Low-density PE prices	Feb. 13	74	Tenneco Mfg. and Cary Chemicals, Inc. merge	Apr. 24	44
Pipe - Filament-wound glass-fiber-reinforced pipe	May 15	123	Low-density PE supply shortage will soon be alleviated by plant replacements and enlargements (chart & tables)	May 22	75	Thompson Chemical starts production at Assonet, Mass.	May 1	41
Pipe market - new state building codes open new markets to plastics (chart & table)	Jan. 16	59	New method of extruding Hercules' high-density, ultrahigh-molecular-weight polyethylene	May 22	63	Polyvinyl fluoride resin, Dalvor - letter	Mar. 17	7
Plastic sheet, Kydex	June 12	102	Outlet for peroxide (chart)	Mar. 20	88	Polyvinylpyrrolidone - Insoluble PVP	Jan. 23	40
Plastics: spotty performance in '65 - Business Benchmarks	May 29	72	Plastic packaging: more bounce where it counts (tables)	Apr. 24	73	Potash	Mar. 20	91
Plastics: strong in the stretch - Business Benchmarks	Jan. 30	66	Plastic pipe market (chart & table)	Apr. 3	56	Canadian fertilizer makers boost capacity for invasion of U.S. markets (charts & deliveries)	June 5	67
Plated plastic uses range from door knobs to auto bumpers (charts)	Feb. 27	46	Prices May 1-41, May 8-67	May 15	86	Dry caustic potash and caustic potash liquor prices	Mar. 6	58
Plating of plastics	May 29	17	Resins	Mar. 27	85	Great Salt Lake joint venture - Lithium Corp. and Salzdetfurth	Mar. 13	28
Polyester sprayed 'instant airports' for jets, vertical take-off aircraft	Feb. 27	62	Shipping sack market - PE gaining in effort to replace kraft	Mar. 27	81	IMC expands Esterhazy, Sask. mine	Feb. 20	73
Procter & Gamble sells do-it-yourself parts-making to plants	Apr. 17	61	Spencer Chemical's huge blending unit at Orange, Tex. plant aims at uniform product, lower processing costs	May 22	41	Mobil survey and core-drilling program on perils in Saskatchewan	Apr. 3	10
			Texas Eastman buildup	Feb. 6	25	Potash Co. of America Saskatoon, Sask. mine production starts	May 15	85
			Union Carbide launches project in Venezuela	June 19	26	Previewing big projects based on Salt Lake brine (map & table)	June 12	34
			"Wide-spec" resin production halted by Dow	Apr. 24	94	Prices Apr. 17-83	May 8	67
			Polymercaptans - Described by Diamond Alkali	Mar. 20	87	Saskatchewan boom continues; Noranda plans mine for startup in '70 (table)	Mar. 6	25

40	Saskatchewan potash lands - Consolidated Mining & Smelting plant; U.S. Borax and partners add 50% to project's capacity; Noranda Mines may exploit lands	Feb. 6	22	Liquid nitrogen baffle	June 12	101	Refining	Fluorocarbon additive for ferrous metals refining - Skamex	Mar. 20	87
113	Southwest Potash Div. expanding in muriate of potash production at Carlsbad, N.M.	Apr. 10	46	New canned pump for slurries may open battle for leakproof pumping market	Feb. 13	99	Novel petroleum refining scheme bypasses gasoline, makes ethylene-propylene directly from crude oil	Apr. 24	120	
102	Standard Oil of N.J.'s proposed acquisition of Potash Co. of America - U.S. argues move would be illegal short-cut to prime spot in potash industry	Feb. 13	24	Olivite pump option	Feb. 27	68	UOP's Venema envisions radical new refinery	May 22	96	
121	Standard Oil of N.J. defends its merger with Potash Co.	Feb. 20	22	Pump connectors	June 5	53	Refining see also Petroleum			
110	Antitrust trial nears end	Feb. 27	15	Vacuum pump Jan. 9-83	June 12	102	Refractories	CMC Metals, Inc. formed - new joint effort in refractory metals	June 5	29
60	Potassium - Brazil reports deposits	May 15	99	Purchasing	June 26	26	Cathode sputtering technique for depositing thin films of refractory metals	Apr. 24	115	
78	Potassium aluminate	May 8	63	Government procurement policies for paints revised	Jan. 30	47	Refractories - worth \$490 million/yr. - undergoing big composition changes (table)	May 15	115	
123	Potassium hydride dispersion	Mar. 6	81	Marbon Chemical's order-processing system - 15-part combination form	Jan. 30	47	Refractory brick	Mar. 27	85	
71	Potassium nitrate - Additive for ammonium nitrate prills	June 26	75	"Operational auditors" - new breed of financial men help management raise efficiency in manufacturing, purchasing	Apr. 17	104	Refractory brick magnesium oxide prices	Mar. 20	64	
101	Power			Pyrites - Processes for sulfuric acid from pyrites, Outokumpu and DFI, may help meet needs of underdeveloped nations	Jan. 2	27	Refrigeration	Food-freezing process using nitrogen - jet-freezing	Mar. 6	68
57	Dow Chemical to build power plant at Pittsburg, Calif.	Feb. 6	79	Pyromellitic dianhydride - First unit of Princeton Chemical Research	May 8	82	Using same gas turbine to provide compression of both power and refrigeration will reduce cost of cryogenic refrigeration systems	Mar. 13	99	
97	Four different methods of transforming solar energy into usable power	Apr. 10	83	Pyrolydione - Solvent in Badische process for separating acetylene in hydrocarbon-oxidation processing	Mar. 27	72	Renting - Westinghouse service for undersea researchers: rentable equipment for deep-sea sampling and exploration	Jan. 16	67	
98	Gas turbine's potential in chemical processing boosted by Phillips	Jan. 30	54				Research	Aerospace expandable structures spotlight new plastics, foams, fibers	June 5	39
81	Petroleum-Southwestern PS power deal	Jan. 30	54				Aerospace industry spending - R&D will take an increased share	Jan. 30	27	
59	Prices						Air Force seeking chemicals capable of speeding construction and repair of airfields near combat areas	Apr. 10	50	
82	Administration's wage-price guidelines are flexible	Feb. 27	20				AEC's Argonne National Lab. forms OIC to collect, classify and disseminate technical information	Jan. 16	67	
59	Chemical prices displayed greater strength last year than in '63	Jan. 2	41				Auto of the future may burn ammonia, LPG, or ethanol (table)	May 1	25	
84	Discriminatory price cutting by big companies - hearings	June 26	26				Batteries - new military requirements encouraging development of novel batteries	June 19	79	
80	Effect of plant efficiency on prices	Apr. 10	49				Biochemical research, a historic first - structure of RNA (ribonucleic acid) identified	Mar. 27	71	
84	Fool's paradise - not for us - Viewpoint. Government price indexes validity being questioned	Mar. 27	31				Boron fiber research contract to Whitaker Canadian government's plan to share research expenditures of private industry encounters opposition	May 1	26	
112	Major revision of chemical wholesale price index	June 5	33				Chemical Abstracts Service inaugurates three new services for researchers	Feb. 13	64	
79	Prices see also specific chemical, commodity etc.						Chlorostyrene as polyester curing agent	Feb. 20	100	
124	Printing - High-speed printing technique for use in automated information-retrieval systems	Jan. 9	91				Cigarette smoking studies - dangerous amounts of carcinogenic chemicals found	Mar. 27	72	
76	Propellants						Cities Service Co. and Sinclair Research rejoin research	Jan. 16	67	
59	Air Force contract for hybrid propellant research and development awarded to United Technology Center	Jan. 23	76				Clearinghouse for Federal Scientific and Technical Information - new agency provides single outlet for government R&D data	Jan. 9	87	
82	Liquid propellants - NASA sees a surge in demand due to latest space feats	Apr. 3	12				Clearinghouse for Federal Scientific and Technical Information to issue single index to unclassified governmental report literature monthly	Apr. 3	54	
103	Solid fluorocarbons as propellants	Mar. 6	68				Coal - research to convert coal into liquid hydrocarbon products	Feb. 20	36	
105	Solid-fuel booster program support virtually written off	Mar. 6	27				Continental Oil studies trioxane polymerization	Apr. 17	121	
76	Titan II's liquid propellants	June 12	106				Defense Dept. launches program to find improved materials to meet military needs	Apr. 10	50	
56	Protein						Descent from Ivory Towers - Viewpoint	Jan. 9	5	
81	Business aspects of supplying protein supplements covered in new book, "The Protein Paradox: Malnutrition, Protein-Rich Foods, and the Role of Business"	May 8	44				Dimethyl sulfoxide's potential in agriculture confirmed, researchers disagree on drug uses	June 12	73	
87	Central Soya figures on doubling its chemurgic sales; industrial proteins' growth rate put at 150%/year	Jan. 2	12				Dow uses seminar approach to spark interest in ethylenimine process promises to slash time needed to make synthetic emeralds	May 8	41	
63	Psychochemical agents research spotlighted by use of nonlethal gases in Vietnam	Apr. 10	83				Environmental causes of cancer research	Jan. 16	32	
56	Public Relations						Ethylene-propylene-terpolymer - Dutch State Mines distributing samples	Mar. 13	87	
69	Markers, museums and monuments being installed to commemorate the beginnings and historic achievements of the chemical industry	Jan. 16	62				Federal aid for R&D - Leading the horse to water - Viewpoint	May 22	5	
105	Philanthropy in CPI - scholarships for Negroes, works of art, foreign university support are newest outlets	Mar. 13	37				Fluorochromic thin film extends ball bearing life	May 1	29	
37	Prestige of CPI reflected in commemorative stamps	May 1	55				GE technique for control of fuel-cell membrane quality	Mar. 27	66	
43	Puerto Rico						Gout treatment being tested	Jan. 30	57	
65	Petrochemical boom (map & table)	Feb. 20	21				Graphite grades with wider range of properties (table)	Mar. 13	93	
73	Phillips Petroleum petrochemical complex May 8-21, May 22-17	June 26	17				Hydrogen from water by direct use of heat from nuclear reactor	Feb. 13	93	
56	Politics in oil quotas - letter	Mar. 20	5				Hydrogen purification by diffusion	Jan. 16	54	
59	Puerto Rico Chemical's phthalic anhydride plant at Arcelio - Commonwealth Petrochemicals will supply feedstock	Apr. 17	7				Information center for rubber, synthetic fibers and thermoplastics	June 19	84	
45	Sinclair Oil considers petrochemical project	June 26	17				IBM builds petrochemical pilot plant to aid in direct digital control studies	Apr. 17	122	
69	Standard Oil (Indiana) plans petrochemical complex	June 19	17				Ion engines' developments point up their value in long-term space missions	Apr. 3	39	
15	Standard Oil of N.J. plans petrochemical complex May 15-18, May 22-17	June 5	25				KTS - promising results in treatment of animal tumors	Apr. 17	121	
41	Pulp						Lasers to promote chemical reactions - two firms trigger polymerization reaction; but commercial jobs appear distant	Apr. 17	113	
7	Beater additive for board or paper stock	Jan. 9	84				Materials for high-purity research	Feb. 27	68	
40	Bleaching process employs sulfamic acid with hypochlorite	Apr. 17	121				McGraw-Hill's 10th capital spending survey R&D budgets (table)	May 1	16	
91	Kraft pulp-and-bleaching process aims to eliminate chlor-caustic requirements	Feb. 6	85				Mental illness - wide research in new drugs continues, scientists seek organic root of mental illness (table)	May 15	15	
67	Oregon mills hit by floods	Jan. 9	23							
58	Pulp and paper companies in Northwest rebuild after flood; in South plywood and resin producers make new capital investments	Jan. 23	23							
28	Weyerhaeuser boosts capital expenditures to bolster chemical operations in pulp and products	Feb. 13	30							
10	Weyerhaeuser plant to recover acetic acid from sulfite pulp mill liquors	June 12	106							
85	Pumps									
67	Centrifugal pumps May 29-59	June 12	102							
34	Cryogenic pump	Apr. 10	108							
25	Diaphragm pump	Jan. 9	83							
	In-line pump	May 15	123							
	Liquid metal pump	May 22	108							

100	Extruded Film Corp. guns for oriented polypropylene film sales.....	Feb. 13	103	Waterways - Ohio River-Great Lakes barge link okayed; deep-water channel into North Carolina's phosphate district proposed.....	Mar. 13	29	Soybeans Central Soya figures on doubling its chemurgic sales.....	Jan. 2	12
15	Facsimile information transfer systems gaining popularity.....	May 29	25	Shipping see also Air Freight, Freight Rates, Railroads, Trucks.....	June 12	36	Processes to make soybeans more palatable and more salable.....	Mar. 20	48
9	Fertilizer materials sales will climb - first full year since big oil companies entered the field.....	Apr. 17	38	Ships - Full speed ahead for aluminum.....	May 1	45	Space Technology Aerospace expandable structures conference spotlights new plastics, foams and fibers.....	June 5	39
36	Fertilizer producers buy local outlets in bid for bigger markets.....	Jan. 23	34	Shoes - Synthetics winning firm hold in market for shoe materials - new PVC sole material.....	May 8	64	Early Bird satellite - demonstration of commercial potential.....	June 19	26
81	Films - chemical companies stress multiple use for sales films.....	Mar. 13	101	Silica Hydrophobic silicas.....	May 15	115	Ion engines' developments point up their value in long-term space missions.....	Apr. 3	39
	Forecast '65 - report D.P. Burke (charts).....	Jan. 9	69	Refractories undergoing big composition change (table).....	May 13	112	Lockheed prime contractor for Poseidon missile program.....	Mar. 13	88
	Humble Oil's colored plastic containers for motor oil.....	May 15	54	Silicates - Laboratory methods of making oxygen from metal silicates.....	Jan. 16	69	Manned interplanetary vehicle that makes its own gravity.....	Jan. 16	54
	Latin American drug sales' investigation dropped.....	Apr. 3	19	Silicon carbide Pilot quantities of silicon carbide whisks.....	June 12	76	Medical chest for space flights should be tested.....	May 1	20
35	Macy's plans to sell its product lines of drugs and toiletries through other stores.....	Jan. 30	47	Silicon carbide whisks - greater availability, lower prices open new markets for inorganic filaments and whisks.....	June 5	53	Thermal-control paints - space vehicle applications put new paints into orbit.....	Feb. 13	61
98	Marbon Chemical's order-processing system - 15-part combination form.....	Jan. 30	47	Silicon tetrachloride.....	Jan. 10	108	ABC of thermal-control coatings - Dimension.....	Feb. 13	62
47	McGraw-Hill's 18th capital spending survey - sales outlooks (tables).....	May 1	15	Silicones Building sealants market.....	June 5	67	Union Carbide sets up new department for carbon-based aerospace structural materials.....	May 8	26
43	Norden moves into U.S. market with takeover of Flavorex (map).....	Jan. 9	37	Silicone fluid and emulsion prices.....	Jan. 12	76	Spain Conoco's fertilizer project.....	Jan. 2	8
83	Plastic distributors step up market research in bid for sales.....	Apr. 10	79	Silver Nickel-silver alloy as replacement for silver.....	Apr. 10	108	Esses petrochemical rules, gets project and an expansion.....	Apr. 10	66
72	Polyester fiber makers launch retail promotion drive to win sales of permanent-press garments.....	Feb. 20	41	Removal of silver from all coinage is virtually certain.....	June 5	67	Fertilizer plant proposed.....	Feb. 27	24
75	Roussel-Uclaf, France's No. 2 pharmaceutical maker, doubles sales in five years.....	Apr. 10	60	Shortage likely to persist for several years says Dept. of Interior study.....	May 1	42	Government tightens restrictions on petrochemical building.....	Jan. 23	44
	Sales see also specific chemical, commodity etc.....			Silver dollar minting dropped.....	June 12	39	Huelva petrochemical center.....	May 22	84
	Sales and earnings see Financial.....			Substantial increase in domestic silver production unlikely.....	May 8	32	Industria Quimicas Asociadas petrochemical project, CEPSA will turn over interest to UEE.....	May 8	53
	Salesmen - drug sale costs soar (table).....	May 15	47	Treasury Dept. narrowing choice of metals to replace silver in coins.....	Jan. 16	43	Olin Mathieson will own 100% of new Spanish plant.....	June 5	71
	Seasonal markets - spring spells sales.....	Apr. 24	80	What price market stability? - industry hopes shift from silver coinage can solve supply and price problems (charts & tables).....	June 5	34	Petrochemicals project - Cepsa pulls out of petrochemicals project.....	Feb. 6	32
	Tube-trailer loading of cesium monoxide could open new markets.....	June 12	65	Zirconium as substitute - Handful of zirconium? - Viewpoint.....	May 26	68	Petrochemical tax benefits are a long time coming.....	Feb. 27	24
	Semiconductors - Neuristor, modified germanium tunnel diode.....	Feb. 13	93		June 22	37	Shake up chemical, power agencies.....	Apr. 17	102
65	Sewage treatment - Public Health Service report to provide guidelines for community planners on sewage treatment plant costs.....	Jan. 9	34		Feb. 20	59	Would-be fertilizer makers keep trying.....	Feb. 13	86
40					Apr. 10	5	Stabilizers - PVC stabilizers.....	Apr. 24	146
54	Shale Oil Additional funds for research approved.....	Apr. 3	19		Jan. 9	80	Standardization European plastic makers request uniform standards for food packages.....	Mar. 20	99
40	Policy for developing vast federal oil shale reserves still long way from reality.....	Mar. 6	28		May 22	72	"La Que Report" - changes in the method of setting commodity standards.....	Mar. 20	42
94	Vertical kiln for retorting crushed shale.....	Apr. 24	120		Jan. 9	80	Standards for use of reinforced plastics in process equipment.....	Feb. 27	66
08					May 22	72	Tires - legislation pushed to set minimum safety standards.....	Jan. 23	27
43	Shipping Arkansas River - commercial barging service not yet begun.....	Apr. 24	93		Jan. 9	21	Vehicle Equipment Safety Comm. recommends minimum for new tires.....	May 29	28
139	Buildup along U.S. waterways sets first quarter record.....	May 8	61		June 12	34	Water-pollution-control standards see Water Pollution.....	May 22	38
68	Cargo information cards for barges carrying flammable or combustible bulk commodities will be required.....	Mar. 20	41		June 12	84	Water Quality Act of '65 - question of who will set water quality standards.....	Apr. 17	113
98	Containerized barges - cheaper barge route.....	Feb. 13	104		Jan. 16	35	Stanford University - use of lasers in separation of isotopes.....	Feb. 13	93
35	Discrimination against U.S. shipping by Ocean Shipping Conferences under continuing attack in Congress.....	Jan. 9	33		May 22	24	Steam - Package boiler, Cyclopak.....	June 12	101
40	Dock strike effects concern chemical industry.....	Feb. 13	29		Feb. 27	54	Stearic acid - Liquid stearic acid.....	Feb. 20	17
63	ICC opens hearings on various payment plans for tank-car owners.....	Apr. 17	55		May 29	35	Steel Administration probing effect of steel pricing on economy.....	Mar. 27	28
28	IMC's direct data link with railroads helps cut fertilizer delivery time - Tels-Car system.....	Mar. 6	77		May 8	24	Basic-oxygen process steelmaking at Granite City Steel Co.....	May 22	80
33	In-transit damage liability insurance - efforts to block transfer from rail carriers to shippers.....	Jan. 30	45		Jan. 9	99	British nationalization would put government deeper into chemicals.....	May 8	71
99	Japan-North American freight rate groups trim increases.....	Apr. 24	129		Apr. 17	130	Chemicals made and used by the steel industry - outlook for the next five years (chart & tables).....	May 29	13
34	Longshoremen's strike on East and Gulf Coast affects exports of non-bulk chemical products, barge-borne fluorspar from Mexico.....	Feb. 6	23		Feb. 6	85	Chicago-area's chemical prospects boosted by steel's building plans (map & table).....	June 26	81
28	Medusa Portland Cement shipping facilities at Charlevoix, Mich. expansion plan will use two ships as base of new pier.....	June 26	44		Jan. 16	43	Corrosion-resistant stainless steel molding powder.....	Jan. 16	48
22	Mexican order halts Pan American Sulphur's shipments.....	May 1	10		Mar. 20	87	Cost-cutting twist in tank construction: use of combination of steels in place of single grade of carbon steel.....	Apr. 24	33
12	Mississippi River flood waters stalling chemical shipping Apr. 24-94.....	May 1	12		Feb. 6	85	Domestic steel users upping foreign purchases.....	Apr. 24	33
63	Nuclear-powered freighter NS Savannah - First Atomic Transport Inc. files application to operate vessel commercially.....	May 15	44		Feb. 6	80	High-strength steel.....	Feb. 13	109
98	Ocean rates going up.....	Mar. 6	77		May 29	45	How steel shutdown would hurt (table).....	June 5	61
22	Ocean shipping - lower rates in prospect due to Douglas Committee report.....	Jan. 16	39		June 19	46	Hydrochloric acid demand spurts as steel-makers adopt it for pickling (chart).....	May 8	31
98	Panama Canal - commission to study new canal named.....	May 1	20		Apr. 10	50	Intersteel agreement.....	Apr. 17	33
34	Pan American Sulphur adds new ships to haul liquid sulphur.....	Apr. 24	129		Feb. 20	91	Labor bargaining deadlock.....	Apr. 10	43
37	Polyethylene gaining in effort to replace kraft for fertilizer bags.....	Mar. 27	81		May 29	63	1965 first quarter - boom rolls on with CPI matching pace of auto and steel industries.....	Apr. 10	43
16	St. Lawrence Seaway - traffic surge has brought tonnage close to predictions, eased pressure for toll hikes (chart).....	Feb. 27	29		Apr. 10	83	No letup in steel production - Business Benchmarks.....	Mar. 27	75
16	Sea-Land Service's plan to limit liability on shipments of drugs and cosmetics approved by ICC.....	Feb. 20	36		May 8	67	Ocean exploration triggers search for new materials.....	May 15	115
14	Sea-Land Service will start bulk liquid chemical transport between Puerto Rico and U.S. ports.....	Apr. 17	83		Mar. 20	63	Refractories undergoing big composition change (table).....	Jan. 2	13
13	Sulfur in liquid form - shipments increase.....	Mar. 20	70		June 19	75	Steel outlook - battle for presidency of United Steelworkers of America making negotiations tougher; input of metal-treating chemicals, output of coke chemicals, output of coke chemicals high as buyers get set for possible mid-'65 strike.....	May 22	112
17	Sulfur rail rates - ICC overrules Freeport Sulphur and TGS objections on Canadian rates (chart).....	June 5	45		Mar. 6	58	Steel sets a spate of records - Business Benchmarks.....	Jan. 9	17
17	Tennessee River waterway traffic jumps.....	Feb. 13	104		Apr. 3-44, June 5-68, 1, 1, 1-trichloroethane.....		Strike possibility - concern over inflation.....	Jan. 16	74
9	Transportation user taxes - proposals.....	May 22	76				Strike scare spurs steel output - Business Benchmarks.....	Jan. 16	74
							Strike threat eased - hasn't caused any cutback in orders.....	May 8	21

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U.S. production slipping
United Steelworkers election dispute ends dramatically

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Castor oil stockpile
Gulf states 233 copper consumers eligible to receive stockpile supplies
Lead-zinc-copper stockpile disposal bill Mar. 20-42
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Magnesium - GSA sale
Mercury - new plan to sell surplus mercury
Mercury - plan to dispose of surplus mercury on a shelf-item basis
Mercury sale Jan. 2-42, Mar. 27-32
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Tin disposal program for next year blue-printed by GSA

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May 8 32
May 15 43
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Dome-shaped warehouse - letter
Heated storage tanks
Storms - Oregon pulp and paper mills hit by floods

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Sulfamic acid - Bleaching process employs sulfamic acid with hypochlorite

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Biodegradable sulfonates
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Competitive discounts on U.S.-produced sulfur to match Mexican prices may be a thing of the past
Export cut from Mexico
Pictures clarifying
Freight rates turnaround? ICC overrules Freeport Sulphur, TGS objections on Canadian rates (chart)
Mexican order halts Pan American Sulfur's shipments
Mexico ties sulfur exports future to discovery of new reserves
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Shipment of sulfur in liquid form increases
Sulfuric acid-using process for cleaning up dark Frasch sulfur can be automated
Sulfur dioxide emissions - letter

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June 19 75
June 5 45
May 1 10
May 8 27
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Apr. 10 87
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Sulfuric acid
Chemicals made and used by the steel industry - outlook for the next five years (chart & tables)
Chemicals, Inc. plant near Bartow, Fla.
Prices Jan. 9-79, Apr. 10-87
Processes for sulfuric acid from pyrites, Outokumpu and DFI, may help meet needs of underdeveloped nations
Sulfuric acid-using process for cleaning up dark Frasch sulfur can be automated

May 8 71
May 8 67
May 8 68
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Feb. 20 77

Sunglasses
Photochromic sunglasses - Consumers Union judges them "not acceptable"
Spring sales

June 19 88
Apr. 24 80

Surfactants
Amphoteric surfactant
High-foaming, biodegradable surface active agents
Maklon NF-12
Nonionic surfactant
Surfactant intermediates

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Mar. 27 85
Apr. 24 146

Sweeteners
Artificial sweeteners, as now used are safe
Cyclamate import duty
Cyclamate production starts at Cyclamate Corp. of America's Newark, N.J. plant
Cyclamate sweeteners prices

May 29 28
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Apr. 24 94
Apr. 10 88

Synthetic Organic Chemical Manufacturers Assn.
Du Pont's Carl Oldach elected president - Kroeger, Arthur - SOCNMA chief dies

Apr. 17 40
Mar. 27 28

Taiwan - Urea plant
Tanks - Cost-cutting twist in tank construction: use of combination of steels in place of single grade of carbon steel
Tape - Magnetic tape

Mar. 20 99
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Tariffs
Azobisformamide from Japan - dumping charge likely
GATT talks - U.S. bargaining team seeks industry backstopping as it heads into crucial talks
Johnson's views on trade liberalization may come into focus shortly
"Kennedy Round" bargaining - European threats to halt bargaining unless U.S. abandons or modifies the ASP system
Mexico halts dye duty increase
U.S.-Canada agree to abolish tariffs on autos and original parts
U.S.-Canada - broad integration of economies may be in making
U.S.-Canada trade pacts spark hopes for ultimate free trade in chemicals (table)
World negotiators in Geneva may come up with concessions on specific agricultural products

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Canada tax concessions give pollution control a boost
Depreciation policy
Depreciation tax break
Excise tax cuts make sense - Viewpoint
Excise taxes Jan. 23-27, Mar. 27-32, May 15-44, May 29-27
President proposes new taxes - potential \$500-million/year hike in transportation costs
Proposals for new and increased transportation user taxes
"Rubbertown" chemical plants near Louisville, Ky. fight against annexation; may form their own town
Spain - Dow gets tax break
Spain's petrochemical tax benefits are a long time coming
Tax break for companies participating in technician training proposed
Trade group advertising may come under broad Internal Revenue Service fire; IRS revokes tax-exempt state of plywood association
Treasury rules for all firms using faster tax write-offs allowed by '62 liberalization of depreciation allowances - reprieve for chemical companies
User-tax - some rearrangement of user-tax proposals may be in order
Teflon - Teflon-bronze cloth
Teheran University - Cyclopin - antiviral antibiotic

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Color television growth changing the phosphor market (chart)
Rare-earth phosphors in color tubes
Tennessee Valley Authority - Fertilizer research program (table)

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Mobil plans plant at Beaumont, Tex.; Amoco plans unit at Joliet, Ill.
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NERVA cold-flow tests completed
Pretesting and evaluation of agricultural chemicals brings new business to consultants
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Tetraethylene pentamine - Prices

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Changing outlook for gasoline and oil additives (table)
Price hikes for motor mixes
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Texas A. & M. University - Suttle, Andrew Jr. joins Defense Science Board
Texas Water Pollution Control Assn. - Fifth Industrial Water and Waste Conference in Dallas
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Another fast start for textiles - Business Benchmarks
Fabric-selection manual helps sort out synthetics for filter and dust-collector cloths
SBR latexes agreement signed by Polymer Corp. and Sinclair-Koppers
Synthetic fiber makers launching promotion drives
Teflon-bronze cloth
Textile profits came back in '64 - Business Benchmarks

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Vapor-phase treatment of textiles
Thailand - Fiber company ordered
Theft - Soaring prices set off wave of mercury thefts
Thin films - Cathode sputtering technique for depositing thin films of refractory metals
Thiocacid
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Domestic thiourea - letter
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Government's new pricing policy in effect
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Indianapolis "500" - promotional rewards for products used in leading cars
Legislation pushed to set minimum safety standards
Replacement passenger tire sales
Rubber and tire companies take new routes to bolster earnings (table)
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Plate pricing may boost titanium as construction material
Rotary leacher made of titanium helps cut costs of titanium processing at TMCA's Henderson, Nev., plant (table)
Texas Eastman's Longview, Tex. acetaldehyde plant will use Aldehyd GmbH process Jan. 23-75
Titanium oxide - Japanese raises prices
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Toiletries - Hot leather aerosol shaving cream patent infringement suit - Carter vs Eversharp

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Tolylene diisocyanate - Union Carbide boosting capacity at Institute, W. Va.
Toothbrushes - Two new disposable toothbrushes

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Chemical companies stress multiple use for sales films
Programmed instruction - Du Pont offers 50 new programmed-instruction courses as part of its new Industrial Training Service
Tax break for companies participating in technician training proposed
Training-in-depth gains favor for CPI executives and wives heading overseas
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Transistors - Bell Telephone Labs awarded patent for basic process of making epitaxial transistors
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Trinidad - Grace, W.R. may use Marshall ammonia process in new Trinidad plant: process key - two separate steam cycles
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Bulk trailers cut costs of distribution of diamonite at Great Lakes Carbon Corp.
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Mileage-measuring device helps Essex Chemical eliminate costly downtime
Wagon trucks
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Gas turbines' potential in chemical processing boosted by Phillips Petroleum - South-western Public Service power deal
Salt gas turbine to provide compression of both power and refrigeration will reduce cost of cryogenic refrigeration systems
Turkey - Anti-American attitude and nationalism slowing economic growth - Ergeli steel mill, U.S.-financed, built, opened amid anti-U.S. feeling

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Aluminum Ltd. - acquisition of National Distillers and Chemical's Bridgeport Brass Metals div. being blocked by government antitrusters	May 1	23
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Alumina expansion in Jamaica	Jan. 30	107
Aluminum ingot prices	Apr. 24	75
Aluminum Corp. of America - aluminum prices	May 27	53
Sales and earnings	Feb. 6	17
Square Creek Coal Co. - joint venture with Peabody	Jan. 23	31
Amber Laboratories, Inc. - fermentation accelerator: Nibin	May 8	64
Amchem Products, Inc. - acquires Sno-Flake Products Co.	Jan. 30	19
Corrosion-inhibiting liquid	Feb. 13	110
Herbicides	Jan. 23	40
Metal coating	Apr. 24	146
Amerace Corp. - Allegheny Industrial Chemical Co. Div. - magnesium silicate	Feb. 27	69
Allegheny Industrial Chemical Div. silicates plant in Butler, N.J.	Apr. 3	23
EMC Plastics Div. expansion at Medora	May 15	31
Penetone Italiana S.p.A. - Italian marketing affiliate	Feb. 20	52
Swan Rubber Div. expansion	Feb. 20	57
American Agricultural Chemical - phosphate fertilizer complex at South Pierce, Fla. onstream	Jan. 16	44
American Airlines - files tariff that could cut air freight costs and improve service	Feb. 6	59
American Brake Shoe Co. - possibility of a merger with Brush Beryllium Co.	Apr. 10	54
American Can - joint venture in ethylene and propylene with Skelly Oil	Jan. 16	26
American Chemical - commercial oxychlorination process	Mar. 27	71
American Cryogenics, Inc. - air-separation plant in Houston, Tex. May 8-36	May 15	31
American Cyanamid Co. - acquisition of Preon Co.	Apr. 10	53
Acrylonitrile expansion at Fortier, La.	Feb. 20	23
Animal application of pesticides could give malathion big boost	Jan. 23	59
Aniline prices	Apr. 10	88
Brewster, Fla. diammonium phosphate plant Jan. 2-42, Jan. 9-23	June 12	46
Butyl acrylate - new elastomer	Mar. 6	34
Computerized drafting	Mar. 20	73
Farm Products Group set up to build bulk-blending plants	Jan. 23	34

61	Hamilton, Ont. ammonia and urea plants to close.	Jan. 2	41	Aquafil Co. - Cyprus Mines plans acquisition.	Feb. 27	23	Badger, W.F. - computerized drafting.	Mar. 20	73
63	Hannibal, Mo. nitric acid and ammonium nitrate plant.	Mar. 27	29	Aquitanechemie - claims improvement in BASF acetylene-from-hydrocarbons process.	Jan. 16	53	Badger, W.I. Associates - agreement on water desalting process.	Mar. 20	88
49	International sales.	Mar. 20	17	Arapahoe Chemicals Inc. - diphenhydramine.	Jan. 6	92	Badische Anilin & Soda-Fabrik - ammonia project.	Feb. 6	32
101	Japanese melamine plant.	Feb. 13	86	Syntex negotiating to acquire.	May 29	21	Aquitanechemie claims improvement in acetylene-from-hydrocarbons process.	Jan. 16	53
9	Lederle Laboratories - antibacterial agent.	Apr. 17	115	Arch Chemicals Midland - foundry binders.	Mar. 27	35	Licenses Foster Grant Co.	Jan. 30	19
	Organic Chemicals Div. polyolefin secondary antioxidant.	June 5	79	Tailow-based nitrogen chemicals - prices.	Feb. 13	73	Pyrolydione as solvent in process for separating acetylene in hydrocarbon-oxidation process.	Mar. 27	72
17	Organic Chemicals Div. research center at Bound Brook, N.J. addition.	Feb. 13	34	Urethane coatings with new emphasis on fire retardancy.	Jan. 9	45	Rheinische Oelwerke GmbH (ROW) see under name.		
18	Plant to recover salt cake from waste water at cracking catalyst plant at Fort Worth, Tex.	Mar. 20	87	Aremco Products Co. - ceramic cement.	May 29	60	Baird Chemical - Peoria, Ill., alkyl chloride production.	Feb. 13	74
23	Plastics & Resins Div. expanding.			Indium crystals.	May 22	107	Baker Industries, Inc. - forms Chemical Concentrates Corp.	Apr. 3	23
24	Alberden and Havre de Grace, Md. plants.	May 8	36	Argon S.A. - acquired control of Compania Nacional de Oxigeno for Union Carbide.	Feb. 20	81	Baker, J.T. - small companies hold their own against the giants.	Apr. 3	26
78	Plastics and Resins Div. polyester resins.	Jan. 23	40	Arkansas Cement Corp. - cement capacity hike.	Jan. 2	14	Baldwin-Lima-Hamilton Corp. - purchased by Armour & Co. Apr. 17-49.	June 19	18
32	Polymer prices.	June 12	84	Arkansas Louisiana Gas Co. - phosphoric acid plant planned at Helena, Ark.	Feb. 27	23	Bangor Brothers Ltd. - Graphite India Ltd. organized.	Apr. 24	108
103	Purchases Fiat Metal Manufacturing Co.	Jan. 16	35	Plywood plant planned near Gurdan, Ark.	May 29	9	Barclay - sponsor at Indianapolis "500".	Mar. 22	47
	Smog-control devices.	Apr. 24	41	Arkia Chemical Corp. - "Big River" chemical complex near Helena, Ark.	June 19	33	Barr, G. Co. - handicapped employees.	Mar. 6	64
22	Tetracycline case - Lederle Labs will continue selling to McKesson & Robbins.	Jan. 9	18	ArmaLite, Inc. - plastics for new Army rifle.	June 19	96	Barry-Martin Pharmaceuticals - patent on tetracycline - court rules Pfizer patent valid.	Mar. 27	18
78	West Coast plant for production of laminated plastics.	May 8	36	Armour & Co. - Baldwin-Lima-Hamilton purchase approved Apr. 17-49.	June 19	18	Bartels, Gordon Co. - vinyl plastisol coatings.	June 12	102
58	Wins Canadian patent suit of Italian-made tetracycline.	Apr. 10	65	Phosphoric acid plant at Bartow, Fla.	Jan. 23	17	Basic Carbon Corp. - oxygen plant at Hickman, Ky.	May 8	61
52	XT polymer for bottles.	Apr. 17	43	Phosphoric acid trade secrets suit - ex-employees charge that company illegally obtained patent rights to their phosphate process.	Mar. 6	24	Bataafse Petroleum Maatschappij - petrochemical plant in Guayana Bay, P. Rico.	Apr. 3	23
14	American Enka Corp. - polyester and nylon yarns production expansion in Tenn. and N.C.	June 19	18	Seeks registration of common shares.	Jan. 23	31	Bates Laboratories - Pfizer files tetracycline patent suit.	Apr. 10	35
76	Rayon textile filament yarns - prices.	June 5	67	Sheepskin tanneries sold to Tilton Tanning Corp.	Mar. 6	31	Bates Mfg. Co. - diversifying into polyester fibers.	Mar. 6	25
67	Synthetic fiber expansion will continue.	Mar. 20	28	Armour Industrial Chemical Co. - cationic derivatives of long-chain B-amines.	Mar. 13	88	Bath Iron Works Corp. - buys Badger's manufacturing Div.	May 22	30
	American Export Isbrandtsen - First Atomic Transport Inc. files application to operate NS Savannah commercially.	May 15	44	Liquid amines.	Jan. 30	62	Bartlett Tree Service - contract to distribute Bidrin.	Mar. 13	83
102	American Hoechst Corp. - corporate structure changed by internal mergers of three subsidiaries.	Jan. 9	18	Tailow-based amines prices.	Jan. 9	80	Battle Memorial Institute - buys undeveloped land near Seattle campus of Univ. of Washington for research.	Feb. 13	34
34	American Hospital Supply Corp. - merger agreement with W.H. Curtin & Co.	Feb. 13	34	Armstrong Chemical Co. - waste synthetic lubricating oil recovery operation.	Apr. 24	111	Medical synthetics market: surgical adhesives; development of plastic membrane to act as a filter for artificial kidney machines.	Jan. 2	22
29	American International Oil Co. - Madras, India, complex.	Apr. 17	102	Armstrong Cork Co. - operational auditing staff headed by James Evans - new breed of financial men.	Apr. 17	104	Pretesting agricultural chemicals.	June 12	51
50	American Mutual Climax Inc. - buys Australian Climax.	Apr. 17	102	Armstrong Products Co. Inc. - one-component epoxy resins.	Apr. 10	108	Takes over Hanford Lab.	Jan. 16	32
92	Climax Molybdenum see Climax Molybdenum.			Arvin Industries, Inc. - smog-control devices.	Apr. 24	41	Use-testing of Novawood to be accelerated.	Jan. 23	76
14	Joint lead-zinc venture in Missouri.	Feb. 27	23	Asahi Chemical - acrylo plant sale to Russia; Taiwan and South Korea ask for acrylonitrile plants.	Mar. 13	48	Baugh & Lomb - light-activated switch based on fiber optics.	May 1	36
31	Lead smelting and refining facilities in Missouri.	Apr. 17	50	Asahi Glass - fails in bid to build Japanese vinyl chloride plant.	May 29	37	Bayou Oxygen Co. - liquefier will be added to oxygen-nitrogen plant on Houston Ship Channel.	Mar. 20	32
107	Owens 50% in Mt. Newman Iron Ore Co.	May 22	84	Asbestos Corp. of America - diversifying into plastics compounding.	Feb. 6	25	Beach Chemical Co. - bought by Scott Aviation Corp.	June 12	46
65	Southwest Potash Div. expanding in muriate of potash production at Carlsbad, N.M.	Apr. 10	46	Asphalt Oil & Refining - benzene prices Mar. 20-64.	June 5	68	Beatrice Foods Co. - merger with Polyvinyl Chemicals, Inc. and Stahl Finish Co.	Jan. 30	19
78	American Novawood Corp. - Novawood production.	Jan. 23	31	Cyclohexane production.	June 20	53	Beaunit Corp. - boosting capital expenditures to bolster chemical operations in synthetic fibers.	Feb. 13	30
19	American Oil - Styrene monomer plant at Texas City, Tex. started up.	May 1	42	Rubber polymer.	Jan. 9	84	Bechtel Corp. - feasibility study for nuclear-power/desalting plant for California.	Jan. 9	105
41	American Optical Co. - fire-fighting suit.	Apr. 10	106	Atchison, Topeka & Santa Fe Railway - adopts tank-car mileage-allowances plan.	Feb. 13	77	Indian fertilizer deal called off.	June 19	55
	American Plant Food Corp. - Barry, Lowell launches new venture as Best Fertilizers sale to Occidental suit and countersuit await trial.	June 5	26	Atlantic Chemical Corp. - plays host to officials from 20 countries as part of educational project sponsored by World Bank.	May 15	108	Working relationship with Wellman-Lord, option to purchase Wellman-Lord stock within two years.	Jan. 23	75
74	Occidental Petroleum files damage suit.	Mar. 13	21	Atlantic Refining Co. - joint gas-processing plant planned at Grand Chenier, La. Mar. 6-31.	May 8	36	Beckett Aviation - jet aircraft may soon be available for leasing to smaller companies.	Feb. 20	30
23	American Potash & Chemical Corp. - manganese plant at Hamilton, Miss. expansion.	Feb. 6	31	Massachusetts Plastics acquired by Rexall.	Mar. 20	32	Becton, Dickinson & Co. - medical synthetics market.	Jan. 2	21
	Potassium sulfate capacity boost at Trona, Calif.	June 12	45	Petrochemical projects at Plano, Tex.	Mar. 20	18	Beith, John & Co. Pty. Ltd. - partner in Nopco Beith Pty. Ltd.	Mar. 13	48
17	Rare-earth production expanded at West Chicago, Ill.	Feb. 27	23	Petroleum research center at Plano, Tex. Withdraws offer to acquire Pure Oil.	Mar. 6	24	Bell-Craig Pharmaceuticals - merged with Denver Chemical.	May 22	84
30	Soda ash prices.	June 5	68	Atlantic Research - combustible cartridge cases.	June 19	93	Bell Industries - acrilan suit filed against Monsanto.	Mar. 6	17
107	American Renolit - calendaring plant at Auburn, Pa.	Apr. 24	33	Frangible Arcas, plastic-bodied, meteorological sounding rocket.	Mar. 13	87	Bell System - lasers trigger polymerization reactions.	Apr. 10	102
75	American Research and Development Corp. - introduces newest chemical investment, Synergy Chemicals, Inc. and explains how Ionics, Inc. is striving for new markets for electroanalysis process.	Mar. 13	28	Atlas Chemical Industries - research facilities planned.	Feb. 13	34	Bell Telephone Laboratories, Inc. - awarded patent for basic process of making epitaxial transistors.	Feb. 6	74
31	Invests in Synergy Chemicals, Inc.; buys Packers Tar Co.	Jan. 16	35	Atomic Energy of Canada Ltd. - advanced design could cut capital costs of nuclear reactor.	May 15	111	Laser energy triggers polymerization reaction.	Apr. 17	113
64	American Sealing Co. - Houston's Astrodom stadium seating.	Apr. 17	87	Advanced-design nuclear reactor (CANDU-BIW) construction plans.	May 22	96	New approach to depositing thin films of refractory metals.	Apr. 24	115
110	American Smelting & Refining - arsenic prices.	Jan. 16	44	Radiation chemistry in food preservation.	Feb. 27	40	Beloit Corp. - polyethylene extrusion coating line sold to U.S. Industrial Chemicals.	June 5	80
146	American Synthetic Rubber - rocket fuel contract.	Jan. 23	31	Atomics International - liquid metal pump.	May 22	108	Bel-Ray Co. Co. - fire-resistant grease.	Jan. 30	63
69	Ames Laboratories Inc. - amine intermediates.	Apr. 24	145	Austin Co. - Forest products division in Seattle, Wash.	Apr. 24	50	Bemberg, J.P. AG - plastic film sales for W. Germany.	May 29	37
31	Ammonium Sulphate Export Co. - ammonium sulfate sale to Indonesia.	June 19	55	Avco Corp. - aerospace expandable structures.	June 5	39	Bemberg-Shorko GmbH - to sell polyolefin films.	May 29	37
52	Amoco Chemicals - DMT-TPA plant site picked at Alabama location Feb. 20-18.	Apr. 3	53	Avco-Everett Research Laboratory - 8,000-watt ac generator based on a superconducting magnet.	Apr. 10	83	Bemis Bros. Bag Co. - acquisition of Curod Inc.	Apr. 10	53
57	Para-xylene plant at Texas City, Tex. planned.	June 5	21	Avicor Corp. - pump connectors.	June 5	53	Bendix Corp. - rigid foams and cast elastomers made from polycarbonate urethanes.	Mar. 20	87
44	Styrene plant at Texas City, Tex.	June 19-33	75	Avison Corp. - New Castle, Del. colored polypropylene resins plant expansion.	Apr. 24	49	Berk, Mike Associates - tetracycline case.	June 12	17
	Terephthalic acid prices.	Apr. 17	84	Avon Cosmetics GmbH - plant near Munich.	June 5	71	Beril-Jucker & Co. - Hoechst pharmaceutical plant in Bangkok.	May 8	53
59	Testing antifouling effectiveness of refinery feedstock additives in preheat exchangers.	Apr. 17	66	Babcock & Wilcox Co. - package boiler, Cyclopak.	Feb. 13	93	Bernz - O - Matic - camping market - portable refrigerators.	Jan. 30	48
54	Ammoniak Unie N.V. - ammonia plant.	Feb. 6	32	Badger Co., Inc. - building Monsanto acrylonitrile plant.	June 12	45	Beryllium Corp. - beryllium-copper and beryllium-aluminum alloy prices.	Feb. 13	73
	Anacorda Aluminum Co. - alumina from clay plant will be built in Georgia.	June 26	18	Forms Spanish affiliate Badger Espana S.A.	Mar. 13	48	Damaging fumes case - company found.	Jan. 2	40
71	Columbia Falls, Mont. aluminum plant to get fourth potline.	June 26	23	Handling engineering and construction for Racor Corp.	Apr. 19	53	Best Fertilizers Co. - Berry, Lowell sells company to Occidental; suit and countersuit await trial.	June 5	26
31	Anacorda Copper - copper production cut back.	Apr. 24	94	Manufacturing div. sold to Bath Iron Works Corp.	May 22	30	Plainview, Tex. ammonia plant expansion.	May 22	29
53	Analtch, Inc. - new name of Custom Service Chemicals, Inc.	Mar. 13	35	Oxychlorination process to be used by European firms.	Feb. 27	66	Eastwall Gypsum Co. - Georgia-Pacific negotiating merger Jan. 16-22.	May 22	30
23	X-ray fluorescence camera.	May 10	107	Badger Meter Mfg. Co. - Industrial Products Div. - pneumatic batching systems.	June 26	81			
59	Analyst Systems Co. - oxygen analyzer.	Apr. 8	63						
	Anodyne, Inc. - handicapped employees credited with sales push.	Mar. 6	64						
68	Ansul Chemical - organic arsenical production starts at Marinette, Wis.	Mar. 27	57						
46	Applied Research and Engineering Ltd. - water-desalting conceptual design study contract.	Feb. 13	41						
73	Aqua-Chem, Inc. - conceptual design study for desalination plant.	May 1	51						

Bethlehem Steel Corp. - Datafax order handling	May 29 25	Bukulja - plastic film production	Feb. 20 47	Israel desalting plant - letter	Mar. 20 7
Lackawanna, N.Y. plant to get third basic oxygen furnace	May 22 29	Bulk Handling & Container Corp. - Stor-A-Tank pillow-shaped collapsible containers	Mar. 20 70	Cathay Plastic Industry Ltd. - polyvinyl chloride plant for Taiwan	Apr. 10 66
Unit for basic oxygen steelmaking furnaces at Lackawanna, N.Y. plant	May 15 31	Bunker Hill Co. - Kellogg, Ida. expansion	Mar. 20 32	Catisatiko S.A. - formed by Kohlensaure Industrie AG and Industrias Coromina S.A.	Jan. 23 44
Better Bulk Machinery Corp. - acquired by Oden Corp.	Apr. 24 50	Bunker-Ramo Corp. - Industrial Systems Div. adds small, fast, low-cost process control computer for direct digital control	Feb. 13 33	Cavanagh Leasing Co. - leasing plant equipment gaining popularity in CPI	Feb. 6 65
Billups Eastern Petroleum Co. - stock transfer with Hess Oil & Chemical	June 19 33	Burdett Oxygen Co. - to supply gaseous nitrogen to the Marbon plastics plant at Parkersburg, W. Va.	Jan. 2 34	Celanese Corp. of America - acquired 7% interest in SIACE	May 29 37
BioCrast Laboratories - Pfizer files tetracycline patent suit	Apr. 10 35	Buttes Gas & Oil Co. - acquires mercury mining operations of Buena Suerte Mines	Apr. 17 50	Bay City, Tex. plant expansion for raw materials used in nylon-6/6 production	June 19 18
Bio-Search & Development - pretesting agricultural chemicals	June 12 51			Boosts dividend	June 12 46
Bird Machine - Gulf Design charges "Prayon process" patents for making phosphoric acid are invalid Apr. 10-36	Apr. 17 34			Brooks, John - new president	May 15 26
Black Clawson Co. - "Wringer" on trial at four mills squeezes water out of web, cuts costs and maintenance	May 29 67			Common stock increase	Mar. 27 29
Blaw-Knox Co. - Chemical Plants Div. partnership with Calgon for industrial water treatment projects	May 8 35			Emission polymer	Feb. 27 69
Contract for U.S. Rubber's Painesville, O. unit	Jan. 2 14			Ethylene from new project will go to Bay City plant	Apr. 10 46
Boise Cascade Corp. - merger with Minnesota & Ontario Paper Co.	Feb. 13 33	CMC Metals, Inc. - formed by Carborundum Co. and Climax Molybdenum	June 5 29	Fortrel fiber promotion	Feb. 20 41
Jan. 9-29	Apr. 17 50	Cabot Corp. - Cab-O-Sil	Jan. 16 69	Methanol capacity to be doubled at Bishop, Tex. project	June 26 23
Particleboard plant in LaGrande, Ore.	Jan. 23 23	Cadillac Plastic & Chemical Co. - market research stepped up in bid for sales	Apr. 10 79	Methanol oxidation process to be used in Newark, N.J. plant	Jan. 30 58
St. Helens, Ore. mill improvement program	May 22 30	Cal Chemical Co. - odor inhibitor	May 15 124	Nylon-6	Apr. 20 101
Vancouver, Wash. modernization program	Jan. 23 65	Calgon Corp. - Hall Labs. Div. partnership with Blaw-Knox for industrial water treatment projects	May 8 35	Pentaerythritol production in U.S. planned for '66	Feb. 6 18
Bonneville, Ltd. - potash by solar evaporation in Wendover, Utah plant	Jan. 9 96	California Artichoke & Vegetable Growers Assn. - Humble Oil & Refining purchases site	Jan. 23 7	Petrochemical complex near Rotterdam	June 26 18
Booz, Allen Applied Research, Inc. - Foster D. Snell will operate as wholly owned subsidiary	Jan. 2 13	California Chemical Co. - new catalytic process to boost paraxylene production	Mar. 6 31	Places promissory notes with institutional investors	June 5 30
Booz, Allen and Hamilton Inc. - overseas business survey	June 5 93	Orbita Div. - Contraceptives - market grows	Jan. 30 58	Reporting sales on fully consolidated	Feb. 6 17
Survey of foreign business activity	Jan. 9 96	Richmond, Calif. para-xylene production boost	June 19 21	Route to nylon intermediates	May 22 95
Takes over Foster D. Snell	Feb. 6 17	California's Dept. of Water Resources - seed-blanket reactor	Apr. 3 20	Stock option plan proposed at annual meeting	Apr. 24 45
Borden Chemical Co. - ammonia complex at Geismar, La.	May 8 61	California Ink Co. - acquires Tenneco Chemicals, Inc. - sell assets to Cal-Ink Chemical Co.	Mar. 20 32	Stock will be listed on Amsterdam Stock Exchange	June 26 18
Geismar, La. ammonia and urea plants	Feb. 13 77	Water-painting ink	Apr. 17 126	Vinyl acetate prices	Mar. 13 78
Geismar, La. methanol unit	June 5 30	California Pellet Mill Co. - pellet mill	Apr. 10 107	Celanese International - proposes Guatemala plant	Jan. 23 44
Kent, Wash. plant to install a reactor for production of urea	Mar. 20 64	California Research Corp. - method of recovering hydrogen sulfide and ammonia from refinery waste waters	May 8 77	Centaury Engineering Corp. - CRV sports car of ABS	Feb. 27 47
Methanol prices	Mar. 13 101	New catalytic process to boost paraxylene production	Jan. 30 58	Central Farmers Fertilizer - will purchase ammonia from First Nitrogen Corp. plant	Mar. 6 18
Mytik Type Div. produces its own sales training film	May 22 25	California Vinyl Products Co. - camping market - air mattresses	Jan. 30 48	Central Phosphates Inc. - phosphatic fertilizer complex	Mar. 13 35
Phosphate fertilizer complex at Plant City, Fla. Mar. 20-18	May 8 35	Cal-Ink Chemical Co. - will purchase assets of California Ink	Mar. 6 31	Central Soya - chemurgic sales will be doubled; industrial protein growth rate put at 150% year	Jan. 2 12
Smith-Douglas Div. purchasing site near Kingston, N.C.	Feb. 20 26	Caltex - Indonesia takeover - refinery is latest target in anti-U.S. campaign	Apr. 3 48	Cepco, Inc. - granulating-ammoniation process gives more uniform ammoniated phosphate granule - Sphero-Form process	May 8 83
Stockholders approve stock splits	June 26 22	Calvero Sotelo - partner in fertilizer plant	Feb. 27 24	CEPSA - pulls out of petrochemicals project	Feb. 6 32
Vinyl spurt calls for expansion in film and coated fabric	Apr. 17 50	Canada Starch Co. Ltd. - moves into synthetic polymers by association with Dural Products Ltd.	Apr. 24 120	Will turn over interest in IQA to UEE	May 8 53
Borg-Warner Corp. - Marbon Chemical Div. - ABS plastics growth may enable Marbon to become Borg-Warner's top division	Mar. 20 64	Canadian Development Corp. - formed	Feb. 6 32	CER Nuclearcorp. - development of commercial uses of atomic explosives	Mar. 27 18
Marbon Chemical Div. - ABS - producers hostile for new plants and processes	May 22 23	Canadian Industries Ltd. - crecloc chlorinated paraffins used as plasticizer extenders at Hamilton, Ont.	May 22 84	Cerro Pasasco - zinc smelting cartel	Apr. 24 107
Marbon Chemical Div. - Burdett to pipe nitrogen to Marbon plant	Apr. 24 50	Expansion program	Apr. 17 102	Channel Industries Gas Co. - natural gas pipeline opens in Texas	Apr. 24 49
Marbon Chemical Div. discloses ABS resin capacity	Jan. 30 47	Canal Industrial Corp. - leak detector	Apr. 10 107	Charbonnages de France - Coal Authority goes deeper into chemicals	Apr. 24 107
Marbon Chemical Div. expanding in ABS	Feb. 27 46	Carborundum Co. - CMC Metals, Inc. - new joint effort with Climax Molybdenum	June 5 29	Exhibits at Paris Chemshow	May 15 93
Marbon Chemical Div. opens California sales office	May 1 23	Fine metallic filaments and silicon carbide whiskers offered in pilot quantities	Feb. 6 79	Charmin Paper Products Co. - personal paper products plant in Wyoming County, Pennsylvania	May 8 36
Marbon Chemical Co. Div. order-processing system - 15-part combination sales-order form, acknowledgment, bill of lading and shipping order	Jan. 2 14	Spink, Donald recommends zirconium as substitute for silver	Apr. 10 5	Chem Industrial Co. - heat-resistant coating	May 22 108
Marbon Chemical Div. sees bright outlook for plated ABS	May 22 107	Whiskers go commercial	Mar. 6 33	Chembond Corp. - Skelly Oil purchases 50% interest	Mar. 13 35
Botany Industries Inc. - Smith Kline & French Labs. to purchase Sea & Ski Div.	June 12 51	World's first processing plant under geodesic dome	May 1 36	Chemcell (1983) Ltd. - expansion plans	Mar. 27 47
Bowaters Southern Paper Corp. - U.S. Plywood Corp. acquires hardboard mill and remanufacturing unit	May 22 107	Cargill, Inc. - corrosion inhibitor for salt used in snow removal - Carguard	Mar. 6 34	Chemicals, Inc. - waste synthetic lubricating oil recovery operation	Apr. 24 111
Boyce-Thompson Institute - Pretesting agricultural chemicals	June 19 33	Linseed oils	Mar. 8 63	Chemtron Corp. - Cardox Div. plant in Cordova Industrial Park at Clinton, Ia.	May 8 61
Brailford & Co. - effluent sampler	Mar. 20 73	Urethane coatings with new emphasis on fire retardancy	Jan. 9 45	Expanding color product	Apr. 24 50
Branson Instruments Inc. - purchased by Smith Kline & French Labs.	Apr. 3 10	Whole-soybean roasting treatment	Mar. 20 48	National Cylinder Gas Div. air-separation plant at Denver, Colo. Jan. 9-80	Jan. 16 35
Braun, C.F. Co. - computerized drafting Contractor for Mobil Chemical ammonia unit	Feb. 13 41	Caribe Nitrogen - Puerto Rico petrochemical plant	Feb. 20 21	National Cylinder Gas Div. food-freezing process called jet freezing	Mar. 6 68
Water-desalting conceptual design study contract	Jan. 23 31	Carlton Products Corp. - Continental Oil buys balance of shares	Feb. 20 57	National Cylinder Gas Div. - oxygen plant at Natrona, Pa.	May 22 30
Brewer, C. & Co. Ltd. - Hawaiian fertilizer plants acquired	Apr. 3 35	Carlson, G.O. - enters titanium plate business	May 1 52	Plant projects slated	Apr. 17 49
Bristol-Myers Co. - acquisition of Drackett Co. is opening into house specialties market	Apr. 24 108	Carpenter Steel Co. - high-strength steel	Feb. 13 109	Purchases J.S. and W.R. Eakins, Inc.	Mar. 6 31
British Cellophane Ltd. - cellulose film plant expansion at Cornwall	Feb. 6 85	Carrier Air Conditioning Co. - Houston's Astrodome stadium air conditioning	Apr. 17 87	Purchases McGean Chemical Co.	May 22 29
British Columbia Forest Products Ltd. - Kraft pulp-and-bleaching process aims to eliminate chlor-caustic requirements	Jan. 23 44	Carter, Mary Paint Co. - company will ask U.S. Supreme Court to uphold right to advertise "Buy One - get one free" offer	Mar. 13 21	Tube Turns Div. - epoxy-bonded fittings	May 22 107
British Geon Ltd. - PVC capacity increase at South Barry, South Wales	Feb. 13 85	Carter Products Inc. - files patent infringement suit against Eversharp for hot lather aerosol shaving cream	June 12 46	Ups its ante in gases and chemicals - captive use to take larger share of phosgene output	Jan. 30 18
Brockville Chemicals Ltd. - Canadian fertilizer plant	Apr. 10 57	Changes name to Carter-Wallace, Inc.	June 12 46	Chemical Concentrates Corp. - formed by Baker Industries Inc.	Apr. 3 23
Sogemines Ltd. acquiring all assets	Feb. 6 79	Carter-Wallace, Inc. - new name of Carter Products, Inc.	June 12 46	Chemical Construction Corp. - agreement on design and engineering consultation with Mitsubishi Heavy Industries, Inc. June 12-106	June 19 55
Brown & Root, Inc. - Gulf Oil contract	Feb. 13 65	Cary Chemicals Inc. - merger with Tenneco Manufacturing proposed Apr. 3-10	Apr. 24 44	Canadian Industries Ltd. contract	Apr. 17 102
Brunswick Corp. - fine metallic filaments and silicon carbide whiskers offered in pilot quantities	Feb. 13 65	PVC addition at Burlington, N.J.	Feb. 6 24	Contract for Du Pont's Repauno Works nitric acid unit	Mar. 27 29
Whiskers go commercial	Jan. 30 35	Vinyl plastisol resin	Apr. 24 146	Contract from American Cyanamid for nitric acid plant and ammonium nitrate plant	Mar. 27 29
Brunswick Fertilizer Corp., Ltd. - fertilizer complex	May 29 10	Castellanos Crocker, E. Sucs - Com Products plants acquisition	Jan. 30 35	Process fillip permits recovery of usually-lost heat generated in making ammonium nitrate from nitric acid and ammonia in a urea plant	Feb. 20 77
Brunswick Mining and Smelting Corp., Ltd. - fertilizer complex	Apr. 10 54	Catalysts & Chemicals Europe, S.A. - formed	May 15 99	Chemical Contour Corp. - merger with Automation Industries, Inc.	Feb. 20 57
Brush Beryllium Co. - possibility of merger with American Brake Shoe Co.	Feb. 27 44	Catalysts & Chemicals Inc. - to supply specialty catalysts in and near Belgium	June 19 33	Chemical Natural Resources, Inc. - fights expropriation of Venezuelan Sulphur Corp.	Mar. 13 48
Buckeye Cellulose - frogmen put emergency oatmeal patch on fresh-water tank	Mar. 27 29	Catalytic Construction Co. - contract for Dow Corning plant	Apr. 17 49	Chemical Products Corp. - plastic crown market	Feb. 13 37
Buena Suerte Mines - Buttes Gas & Oil acquires mercury mining operations		Contract from Sohio for Toledo refinery expansion		Chemical Separations Corp. - transportable system for removal of radioactive fallout from milk	Jan. 2 16
				Chemicals for Industry, Inc. - files articles of incorporation	May 8 35
				Chemicals, Inc. - sulfuric acid plant near Bartow, Fla.	May 8 67

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Chemische Fabriek Naarden N.V. - moves into U.S. market with takeover of Flavorex	Jan. 9	37	Cie. Francaise de Raffinage - ammonia project	Feb. 6	32	Crawford & Russell - contract from Tenneco Chemicals	Apr. 17	50
Chemische Werke Buna - going into petrochemicals	June 12	96	Companhia de Carbonos Coloidais - carbon black production using the process and patent of Phillips Petroleum	May 15	99	Creative Packaging - PVC containers	Feb. 20	105
Chemische Werke Huels - ethylene-propylene rubber plant	Mar. 13	48	Compania Bristol-Myers de Puerto Rico - incorporated	June 5	30	Crompton & Knowles - Beetle Plastics Div. - glass-fiber ducting	May 15	123
Two-step polymerization method improves processability of stereorubber	Jan. 16	40	Compania Nacional de Oxigeno - Union Carbide acquires control	Apr. 17	100	Davis-Standard Div. - new method of extruding Hercules' - high-density, ultra-high-molecular-weight polyethylene	Mar. 20	88
Chemo - licenses Staines urea process	Mar. 20	99	Conap, Inc. - urethane	Jan. 30	63	Cross S.A. - Huelva petrochemical center	May 22	84
Chemokomplex - exhibits at Paris Chemsow	May 15	93	ConChem Co., Inc. - acquires Nashua Mfg. Co.	Feb. 20	57	Crown Cork & Seal Co. - plastic crown market	Feb. 13	37
Chemstrand Corp. - series of high-temperature polymers, aromatic ordered polyamides	Apr. 17	115	Conflow Corp. - rotary actuator	Jan. 23	31	Crown-Zellerbach Corp. - adds to long-term debt	June 12	46
Chicago Bridge & Iron - cold storage for LNG	Apr. 10	118	Consolidated Aluminum Corp. - aluminum injot prices	May 15	85	Atlanta, Ga. site purchased for container plant	Feb. 6	31
Nine barges being converted to carry liquid propellants to NASA	Apr. 24	129	Aluminum pricing	Feb. 20	24	Bogalusa, La. repeals all city ordinances requiring segregation	June 5	27
Chicago and North Western Railway - acquisition of Velsicol Chemical	June 19	17	Consolidated Edison Co. - exports chemical men to use their technological skills to increase public interest in pollution control	Feb. 20	73	DMSO - researchers confirm potential in agriculture, disagree on drug uses	June 12	73
Chinhua Chemical Co., Ltd. - Korean fertilizer venture	June 26	49	Consolidated Foods - merger with Gentry, Inc. ruled illegal	May 29	15	DMSO unit at Bogalusa, La. expansion	May 29	10
Chiyoda Chemical Construction & Eng. Co. - lubricants plant for the Iraqi government	May 29	37	Consolidated Mining & Smelting Co. - allots \$65 million for Saskatchewan potash plant	May 8	24	Dimethyl sulfoxide investigations	Feb. 20	91
Chungju Fertilizer Corp. - Korean fertilizer venture	June 26	49	Zinc smelting cartel	Feb. 6	22	Dimethyl sulfoxide, marketed as Syntexan, on sale in Mexico	May 1	52
Ciba Chemical & Dye Co. - deuterated compounds May 8-63	May 15	123	Consolidated Paper Corp. - offers to buy outstanding shares of Doekin Products, Inc.	Apr. 24	107	Getting back into full production after flood	Jan. 23	23
Ciba Corp. - Ciba Products Div., functions consolidated	June 5	30	Power Corp. of Canada buying 15% stake St. Regis Paper negotiating for sales of its 13% interest	Feb. 27	47	Oregon mill hit by flood	Jan. 9	23
Sales and earnings	Apr. 17	100	Consolidation Coal - gasoline from coal into fractions for hydrocracking, carbonization, coking	Mar. 13	35	Paper and pulp expansion at Wauka, Ore. Apr. 24-50	May 8	36
Synthetic analogues	Apr. 17	115	Liquid fuel from coal - new process for Cresap, W. Va. plant	June 26	57	Cummins Engine Co. Inc. - chairman J. Irwin Miller will head Presidential committee on East-West trade	May 1	19
Ciba Ltd. - cross-licensing agreements on epoxy resins	May 29	37	Consumer Bag & Packaging Corp. - bought by Albermarle Paper Mfg. Co.	June 19	87	Curtin, W.H. & Co. - merger agreement with American Hospital Supply Corp.	Feb. 13	34
Ciba Products Co. - epoxy resins	Apr. 24	146	Consumers Cooperative - Ft. Dodge, Ia. ammonia plant scale up	May 22	29	Curwood Inc. - acquisition by Bemis Bro. Bag Co.	Apr. 10	53
Cities Service Co. - Cities Service Research & Development Co. staff and lab facilities transferred to Cities Service Oil Co.	Jan. 16	67	Continental Can Co. - Bond Crown & Cork Div. plastic crown market	Jan. 23	66	Custom Service Chemicals, Inc. - changes corporate to Analtech Inc.	Mar. 13	35
New Guinea exploration program with Conoco	May 22	18	Continental Carbon - carbon black plant near Sidney, Australia	May 29	21	Cyanamid of Canada - facilities to manufacture surgical sutures at Montreal	Mar. 20	99
Cities Service Oil Co. - fractionation plant at Lake Charles, La. planned; new gas processing plant at Grand Chenier, La. Feb. 20-57, Mar. 6-31	May 8	36	Continental Chemical Corp. - purchased by Intercontinental Chemical Corp.	Apr. 24	127	Cyclamate of America - cyclamate sweetener production starts at Newark, N.J. plant	Apr. 24	94
Lake Charles, La. benzene plant start up	May 29	45	Continental Engineering - urea plant for Mexico	Feb. 13	37	Cyclops Corp. - new name of Universal-Cyclops Steel Corp.	Apr. 10	54
Clark Oil and Refining Corp. - Chicago refinery expansion planned	Mar. 20	32	Continental Oil Co. - acetate resin research trioxane polymerization	Apr. 24	127	Cyprus Mines Corp. - acquisition of Aquafil Co. planned	Feb. 27	23
Clarke, Richard Associates - "Opportunity Center No. 2" - 600 Negro job-seekers parley with CPI employers	Jan. 9	63	Alkylbenzene production joint venture set up in Japan	Jan. 2	36	Scott Paper takes over Alabama timberland	May 29	21
Clevite Corp. - fabrication of solar cells from cadmium sulfide	Apr. 10	83	Bluytheville, Ark. ammonia plant	Jan. 30	9	Dai Nippon Ink & Chemical - marketing new line of injection-molded products	Mar. 27	47
Titanium filter elements	June 26	82	Buyers balance of Carlon Products Corp. shares	Mar. 20	99	Daikin Kogyo Co. Ltd. (Japan) - Raccon licenses process	Apr. 10	53
Climax Molybdenum Co. - CMC Metals, Inc. - new joint effort with Carborundum Co.	June 5	29	Ethylene project at Lake Charles, La. Executive officers transferred to New York City	Apr. 17	121	Daiyoku Petrochemical - ethylene capacity planned	Feb. 13	85
Factors affecting the performance of molybdenum distillate	May 22	59	Exploration program broadened; joins Cities Service in New Guinea project	Apr. 24	108	Daisy Manufacturing Co. - caseless cartridges	June 19	96
Molybdenum expansion	Mar. 20	30	Joint gas-processing plant planned at Grand Chenier La. Mar. 6-31	Jan. 30	9	Darlington Manufacturing Co. - unionization case sent back to NLRB	Apr. 3	20
Coastal Chemical Corp. - Cooper, Owen leads chemical operations - company growth and expansions (map)	Apr. 17	42	Porous sintered steel plate key to "pilot plant" size chromatograph	Feb. 20	57	Data Systems, Inc. - direct digital control system	Apr. 3	54
Coastal States Gas Producing Co. - liquid hydrocarbon extraction plant	May 15	17	Spanish fertilizer project	Jan. 16	26	Davis-Edwards Pharmacal - tetracycline litigation with Pfizer settled	May 29	9
Purchases gas gathering and transmission systems of Texas Gas Utilities Corp.	Jan. 16	35	Valencia ammonia plant styed	Mar. 13	35	Davison Chemical Co. - phosphoric acid plant at Ridgewood, Fla.	Jan. 16	35
Colgate-Palmolive - stock split	June 19	18	Continental Vitamin Corp. - tetracycline case	May 22	18	Reclamation of two mined-out phosphate lands near Mulbury, Fla.	May 8	36
Colonial Sand & Stone Co. - sand and gravel processing plant in New York	Apr. 17	50	Contour Engineering Co. - urethane-foam face mask	Mar. 20	81	Second molecular-sieve cracking catalyst. Sulfuric acid plant at Bartow, Fla.	June 19	98
Colonial Sugar Refining - owns 50% in Mt. Newman Iron Ore Co.	May 22	84	Cooney-Weiss Fabric Corp. - acquired by Interchemical Corp.	Jan. 23	4	Sulfuric acid plant at Bartow, Fla. construction starts	Feb. 13	33
Colorado Oil and Chemical - ycop Chemicals; building ammonia plant near Cheyenne, Wyo.	Feb. 13	22	Cooper, Tinsley Laboratories, Inc. - acquires assets of Packers Tar Soap, Inc.	Jan. 2	8	Dawson Bros. - fiber expansion in Virginia	Apr. 10	90
Colongard Corp. - railings made of pipe coated with colored epoxy	Apr. 24	139	Cooper Tire & Rubber Co. - expansion program at Texarkana plant	June 12	17	Debern Chemical Co. - acquired by Grace Deere & Co. - considering offers for fertilizer business	Apr. 24	49
Colt Industries, Inc. - Colt Firearms Div. - plastics for new Army rifle	June 19	96	Copebras - Brazil campaigns for bigger investment in petrochemicals	May 8	63	Deere, John Chemical Co. - Nipak, Inc. will purchase company	Feb. 13	22
Commercial Filter Corp. - filter tubes	Jan. 23	39	Corn Products Co. - acquisition of E. Castellanos Crocker Sucs. planned; purchases minority interest in Dural Products, Ltd.	Jan. 9	29	Denison Mines - uranium oxide concentrates to EAEC	May 1	10
Viscous-Fluid filter	Jan. 30	62	Canada Starch Co. Ltd. see Canada Starch Co. Ltd.	Jan. 16	35	Derivados de Etileno S.A. - formed by Hoechst and Union Espanola de Explosivos	Feb. 20	74
Commercial Plastics & Supply Corp. - market research stepped up in bid for sales	Apr. 10	79	Negotiating to buy Ott Chemical Co. OCAW gets new contract	May 22	30	DeSoto Chemical Coatings, Inc. - acrylic coating	Apr. 10	66
Commercial Solvents Corp. - acquires natural gas rights on additional acres near Louisiana ammonia, carbon black units	Feb. 13	30	Cornelius Wax Refining Corp. - Grace, W.R. acquisition	Feb. 20	30	Sonneborn Building Products, Inc. - letter to EAEC	Jan. 9	84
Northwest Nitro-Chemical see Northwest Nitro-Chemical	Apr. 10	43	Cornell, Howland, Hays & Merryfield - "Maximum treatment" - growing approach to control of industrial waste water R. Culp describes Bijou project	Mar. 20	17	Detrex Chemical Industries - expansion	May 15	9
President Wheeler predicts continued improvement in sales and earnings	Apr. 26	23	Corning Glass Works - waste-heat boiler at Wellsboro, Pa. plant is showing that fouling problems aren't as formidable as they appear (flowsheet)	June 12	86	Deuterium of Canada Ltd. - heavy-water plant expansion proposed	Apr. 10	53
Sterling, La. ammonia plant Apr. 10-35	Jan. 9	80	Cornwall Chemicals Ltd. - petrochemical route to carbon disulfide will be used in Cornwall, Ont.	June 26	71	Deutsche Shell AG - Rheinische Olefinwerke GmbH. (ROW) see under name	Mar. 27	25
Synthetic methanes prices - drop	Apr. 3	44	Coromandel Fertilizers Ltd. - Indian fertilizer complex	June 19	55	Deutscher Innen und Aussenhandel Chemie - exhibits at Paris Chemsow	May 15	93
Commonwealth Oil Refining - cyclohexane production	Mar. 20	53	Corporacion Venezolana del Petroleo - Japanese oil refinery	Apr. 17	34	Kodak Ltd. former employees acquitted of passing secrets to company representative	Mar. 13	22
Labor trouble at Penueles, P.R. refinery	Apr. 24	34	Cosden Oil & Chemical - cyclohexane plant at Big Spring, Tex.	May 22	83	Devco Engineering, Inc. - halogen leak detector	May 29	59
Commonwealth Petrochemicals, Inc. - aromatics plant	Apr. 24	34	Cosindit - fertilizer plant for Indonesia	Mar. 20	53	Dexter Chemical Corp. - liquid softener	Mar. 6	81
Puerto Rican petrochemical plant	Feb. 20	21	Courtaulds Ltd. - sales and profits up	May 15	99	Diamond Alkali Co. - acetate copolymer on a pilot scale	Mar. 27	71
Shell's Sulfonane aromatic extraction process to be used in Puerto Rico plant	Mar. 27	72	Synthetic winning firm hold in market for shoe materials	June 5	71	Bond-backing deal for Standard Chlorine of Delaware, Inc. chlorinated solvents plant	Apr. 24	116
Will supply feedstock for Puerto Rico Chemical's phthalic anhydride plant at Arceibo	June 26	17	Crain Chemical - industrial detergent formulator, aims for \$7 million sales this year, doubles capacity following sales staff expansion	May 1	45	Building sealants market	May 8	22
Commonwealth Refining Oil Co. - petrochemical plant in Guaynilla Bay, P. Rico	Apr. 3	23		Feb. 6	89	Chlor-alkali antitrust suit Jan. 2-8, (charts)	Jan. 9	21
Communication Satellites Corp. - five chemical companies use Early Bird satellite in demonstration of commercial potential	June 19	26				Chlorinated paraffin	June 5	56
Compagnia Tecnica Industrie Petroli (CTIP) complex-fertilizers plant in Tunisia	May 8	53				Chlorine vaporizer	Mar. 6	81
Fertilizer plant in Tunisia	May 15	99				Dalvor - Polyvinyl fluoride resin - letter	Mar. 27	71
Cie Francaise des Produits Chimiques Shell - exhibits at Paris Chemsow	May 15	94					Apr. 17	7

Describes polymerscapans.....	Mar. 20	87	Dow Corning Corp. - Chemical Products	Jan. 2	14	Net income in '64	Feb. 6	17
Fluorocarbon resin.....	May 29	60	Div. expansion program			Opposes Canadian government's plan to share research expenditures of private industry	May 1	26
Methylene chloride.....	Mar. 13	77	Dimethyl silicone plant planned at Carrollton, Ky.	Apr. 17	49	Plans to sell shares of common stock to Canadian public	Mar. 6	18
'64 sales and earnings from exports and overseas manufacturing.....	Mar. 20	17	Medical synthetics market - silicone rubber compounds	Jan. 2	21	Shawinigan, Que., cellulose film plant	Apr. 24	108
Plastics Div. PVC homopolymer.....	Feb. 27	69	Silicon plant at Midland, Mich.	Feb. 6	60	Dural Products, Ltd. - Corn Products purchases minority interest Jan. 30-35	Feb. 6	32
PVC containers.....	Feb. 20	105	Silicone fluid and emulsion prices	June 5	67	Dustal Corp. - dry-discharge valve	June 5	53
PVC plant at Delaware City, Del.	Feb. 27	15	Silicone rubber base	Feb. 27	69	Dutch State Mines - distributing samples of ethylene-propylene terpolymer	Mar. 13	87
Contract awarded to Chas. Pfizer	Apr. 24	50	Silicones plant at Carrollton, Ky.	June 19	33	Fertilizer plant in Russia	May 22	83
Recruiting gambit - phonograph records	May 15	103	Tetraethylene pentamine	June 19	76	Licenses urea process to Chemo	Mar. 20	99
Self-setting foundry binder.....	Apr. 17	122	DowSmith Inc. - filament-wound glass-fiber-reinforced pipe	May 15	123	Switch to oil feedstocks	June 12	95
Thixotropic formulation to prevent herbicides from vaporizing and drifting	Feb. 27	66	Dow Uniqueness - polyethylene plant in Tarragona, Spain	Apr. 10	66	Dynamit Nobel AG - oxychlorination process will be used in vinyl chloride plant	Feb. 27	66
Diamond Laboratories - Pfizer files tetra-cycline patent suit	Apr. 10	35	Tetraethylene pentamine	May 22	83			
Dictaphone Corp. - Datafax system gaining popularity	May 29	25	Dow Mining - reported balking at joining zinc smelting cartel	Apr. 24	107			
Didier Werke - fertilizer plant in Russia	May 22	83	Drackett Co. - Bristol-Myers acquisition offer for opening into house specialties markets	Apr. 3	35			
Diebold Inc. - research building in Canton, Ohio	June 12	45	Dravo Corp. - acquisition of Gibbs & Hill Inc.	Apr. 10	54			
Dilectrix Corp. - medical synthetics market	Jan. 2	21	Contract from Allegheny Ludlum Steel for basic oxygen steelmaking plant at Natrona, Pa.	Feb. 6	31	Eagle-Picher Co. - zinc-oxygen cell for high-energy use	June 19	80
Dimensional Pigments Inc. - pearlescent pigment Feb. 13-110	May 29	60	Stock redemption	Mar. 13	35	Eakins, J.S. and W.R., Inc. - purchased by Chemtron Corp.	Mar. 6	31
Distillers Co. Ltd. - financing arranged for Indian petrochemical plant Apr. 24-108	June 12	96	Drew Chemical Corp. - Foremost Dairies, Inc. purchases stock	May 8	26	Eastman Chemical Products, Inc. - curtain coating - system for packaging	Apr. 3	57
French rubber company formed	Feb. 13	86	DuBois Chemicals - Grace acquisition fight still on	May 29	18	Entering the packaging-machine leasing business	Mar. 27	28
Dixie Chemical Co. - custom projects	Mar. 6	39	DuBois Plastic Products, Inc. - move from Buffalo to Avon, N.Y.	June 5	30	Either amine	Jan. 23	39
Doekin Products, Inc. - Consolidated	Feb. 20	57	Dulux Ltd. - paint manufacturing and research complex	Apr. 24	107	Kodel fiber promotion	Feb. 20	41
Paper offers to buy outstanding shares	Jan. 16	35	Du Pont, E.I. de Nemours & Co. - acrylonitrile expansion at Memphis, Tenn. Feb. 20-23	May 8	61	Low-density PE prices	May 22	75
Dolite Co. - acquired by Chas. Pfizer	May 8	22	Adiponitrile from acrylonitrile electrolytically	Jan. 16	53	Plasticizers and oxo alcohol prices	Mar. 20	63
Dontar Ltd. - Dontar Pulp and Paper, New York-based subsidiary set up	Jan. 30	48	Aerosol system using Bymal colloidal alumina	May 29	55	Plastics Div. - polypropylene coating	Mar. 6	81
Donner Mountain Corp. - manganese flash-light battery	Feb. 27	68	Ammonia expansion at Belle, W. Va.	Jan. 16	21	Eastman Kodak Co. - colored slides as aid in training factory employees for coping with hazardous situations	Apr. 17	40
Dorn-Oliver Inc. - Olivite pump option	Mar. 13	35	Ammonia plant at Beaumont, Tex. output will go into production of industrial chemicals; planning another plant at Belle, W. Va. works	May 1	9	Dry, in-flight processing of aerial photos	May 29	64
Phosphoric fertilizer complex for Central Phosphates Inc.	Mar. 13	35	Antrom nylon fiber used in Houston's Astrodome stadium	Apr. 17	87	8-mm. movie system, cameras, projectors and film	Mar. 13	104
Sulfuric acid from pyrites - Montecatini-developed DFI	Jan. 2	27	Automobile exhaust-control device	May 29	64	Polyethylene prices	May 8	67
Douglas Aircraft Co. - wins contract for Hanford	May 8	35	Building sealants market	Jan. 16	53	Profit sharing plan - employees will share wage dividend	Jan. 9	66
Dow Chemical Co. - ABS - producers jostle for new plants and processes	June 12	108	Cellophane prices	May 29	55	Texas Eastman Co. div. see Texas Eastman Co.		
Acrylic fiber expansion at James River Div., Va.	June 19	18	'Clean Air and Water in a Complex Society' - booklet spells out pollution control costs - five case histories	May 1	9	Economics Laboratory Inc. - Magnus Chemical water-systems cleaner	Jan. 30	63
Ammonia capacity expansion at Freeport, Tex.	Jan. 2	12	Copper chemicals used in electroplating - prices	Apr. 17	87	Economy Manufacturing Co. - research reactor	Jan. 23	39
Antimicrobial for cosmetic formulations	May 15	112	Corfam - synthetics winning firm hold in market for shoe materials	May 29	64	Resin heater	Feb. 20	81
Bid for trade zone at Bay City, Mich.	June 19	24	Corfam prices	May 29	64	El Mote Chemical Co. - custom-processing projects	Mar. 6	39
Bought "substantial minority interest" in Bio-Science Labs	May 29	21	Dacron and nylon for European market	May 29	64	Phosphonitrilic chloride-derived polymer offered	Feb. 20	97
Brazos Oil & Gas Co. div. liquid hydrocarbon extraction plant	May 15	17	Du Pont shows the way - Viewpoint	May 22	42	El Paso Natural Gas Products - ammonia plant at Odessa, Tex.	May 22	25
Buys building in Roversford, Pa.	May 29	21	Explosive-bonding facilities for clad metal plate will undergo five-fold capacity expansion (table)	May 1	45	Phosphate plant at Conda, Ida. to get new units	Feb. 13	22
Charging Monsanto with infringing linear interpolimer patent	May 22	23	Fiber expansion in Virginia	Mar. 27	58	Eico Corp. - thiourea plant building begun	Apr. 10	36
Chlor-alkali antitrust suit Jan. 2-8 (charts)	Jan. 9	21	Foreign business in '64	May 22	18	Electric Boiler Corp. of America	Jan. 9	83
Chlorine and caustic soda expansion in Pittsburg, Calif.	May 29	16	Grant to Antioch College	May 30	5	diaphragm pump	May 29	10
Chlorostyrene as polyester curing agent	Feb. 20	100	Heat-exchange equipment	Apr. 24	134	Electric Reduction Co. of Canada, Ltd. - fertilizer complex	Feb. 6	85
Cross-licensing agreements on epoxy resins	May 29	25	Hydrogen cyanide prices	Apr. 10	90	Kraft pulp-and-bleaching process aims to eliminate chlor-caustic requirements	Feb. 6	85
Datafax order handling system	May 8	67	Instrument products Div. - thermal analyzer	Mar. 20	87	Electric Storage Battery Co. - engineering and development unit for Ray-O-Vac Div.	Apr. 17	49
1,4-dioxane prices	May 8	67	Licenses Sohio's ammonia-propylene process for Memphis, Tenn. acrylonitrile plant	Mar. 13	38	Exide Industrial Marketing Div. - static inverters	Feb. 6	92
Ethyleneimine monomer offered at price to spur demand and open new markets	Jan. 2	14	Lucite acrylic plastic in Houston's Astrodome	June 5	80	Electrolytic Zinc Co. - zinc smelting cartel	Apr. 24	107
Ethyleneimine plant in Freeport, Tex.	Mar. 27	47	Lucite 148 acrylic resin	Feb. 13	21	Electro-Optical Systems, Inc. - ion engines' developments	Apr. 3	39
Executive team explores trade possibilities in Moscow	Apr. 17	33	Lummas to build ethylene unit for Sabine River Works, Orange, Tex. Jan. 23-75	May 8	64	Electro-Zur & Watersfabriek (V.) - air-separation installation	Apr. 10	65
First customer for Shell Oil's natural gas from offshore Texas	June 5	88	Medical synthetics market - Dacron polyester and Teflon fluorocarbon fibers	Jan. 30	19	Eli Lilly & Co. - antidepressant agent, Aventyl HCl Jan. 9-91	May 15	59
Giant gas-turbine generator for Freeport, Tex. plant	June 5	68	Methanol prices	Jan. 2	21	Antiviral antibiotics: A-10598 and streptothricin	Jan. 9	93
Glycerin prices	Apr. 24	145	Nylon plant at Camden, S.C. confirmed	Mar. 13	77	Contract from PHS for development of preventive vaccine for respiratory syncytial virus	Mar. 20	42
High-purity Bisphenol A	June 5	61	Nylon prices May 22-76	Mar. 27	17	Disagrees with FDA on whether swine feed additive is still 'new'	Apr. 24	69
Hydrochloric acid demand spurts	Feb. 6	60	Organic Chemical Dept.'s Carl Oldach elected president of SOCMA	June 12	83	Sales	Jan. 23	18
Iodine prices	Feb. 13	74	PNC polymers	Apr. 17	40	Emerite Corp. - resinous system for bonding wood products	May 22	108
Low-density PE formulations	Mar. 6	58	Polyester fiber prices	Feb. 12	97	Emerson Consultants, Inc. - how can management tell whether maintenance is operating effectively?	Mar. 20	84
Marketing ultrapur, inhibited 1, 1, 1-trichloroethane	Mar. 6	58	Polyethylene prices	May 8	67	Emerson & Cuming Inc. - alkyl coating	May 22	108
Metals activities combined into a single unit, The Dow Metal Products Co.	June 19	33	Polyethylene printing technology lawsuit	Feb. 13	28	Casting resin	Feb. 13	110
Methylene chloride prices	Feb. 27	15	Suing Carbide for infringement of Traver patent	May 15	111	Emerson Electric Co. - Brooks Instruments Div. - low-flow-rate gas detector	Apr. 15	124
Midland, Mich. PVC resin expansion	Feb. 20	91	Prices on synthetic rubber and polyolefin packaging film cut	Apr. 3	43	Digital controller	May 24	145
N-serve nitrogen stabilizer undergoing commercial tests	May 8	35	Programmed-instruction - 50 courses offered as part of new Industrial Training Service	June 5	85	Emery Industries Inc. - coconut fatty acid prices Feb. 13-73	May 1	42
Oil import debate	May 29	63	Remington Arms Co. div. plastic rifle	June 19	96	Exchanged some of its stock for the physical assets of Morey Seldin Machinery	June 5	30
Oil vs. chemicals: feedstock fight nears showdown	Feb. 6	79	Repaso Works to get new nitric acid unit	Mar. 27	29	Liquid stearic acid	June 12	101
Option on land at Kennewick, Wash.	Jan. 2	7	River Road, N.Y. plant - employee layoff	June 12	40	Employee Relocation Real Estate Advisory Committee, Inc. - moving costs for relocated personnel gains urgency as management goal	May 22	87
Pittman-Moore Div. single-shot measles vaccine said to be 99% effective	Apr. 10	43	Silver-cladding process	Jan. 30	48	Empress Nacional de Aluminio S.A. (ENDASA) - aluminum plant in Valladolid, Spain, capacity increase	Apr. 10	66
Pittsburg, Calif. plant will triple methionine production capacity	Feb. 13	34	Sleeping bags for camping market	May 22	47	Endako Mines Ltd. - molybdenum mine and mill at Endako, B.C.	Jan. 23	66
Plaqueimine, La. plant boosting chlorine, caustic capacity	Feb. 27	23	Sponsor at Indianapolis '500'	Feb. 13	73	Energia e Industrias Aragonesas - will supply chlorine for new plant	Apr. 10	66
Plaqueimine, La. PE plant expansion	May 22	63	Spun-bonded polypropylene product - Reemay	Jan. 16	54	Engelhard Hanovia Inc. - purchases "effective working control" of Eurofund Inc.	May 1	23
Polystyrene - letter sent to producers calling their attention to patent available for licensing	May 29	63	Stock option plan proposed at annual meeting	Jan. 23	44	Engelhard Industries - ruthenium catalyst to convert para into ortho hydrogen	June 26	75
Power plant at Pittsburg, Calif. to be built	Feb. 6	79	Surlay A. Ionomer resins for bottle	Apr. 17-43	84	Engler Instrument Co. - mileage-measuring device for tank trucks	May 22	104
President Doan expects good year for chemicals	June 12	83	Synthetic fiber promotion	Feb. 20	41			
Profits down slightly due to dock strike	Mar. 20	63	Teflon fluorocarbon resin prices	Jan. 30	45			
Purchases acres in San Diego for research facilities	Apr. 24	94	T.E.L. prices	May 29	46			
Sells \$125 million in note	June 26	33	Tetrahydrofuran prices	Jan. 16	54			
Sells two paper plants to Wrap-tures Gift Wrap, Inc.	June 12	83	Tupersan herbicide	Jan. 23	44			
Seminar approach to spark researchers' interest in ethyleneimine	Mar. 20	32	West Germany synthetic fiber plant	May 8	53			
Styrene monomer prices	June 12	83	Du Pont of Canada Ltd. - Maitland, Ont. orlon fiber capacity doubled					
Vinyl toluene prices	Mar. 20	63						
'Wide-spec' polyethylene resin production halted	Apr. 24	94						
Dow Chemical International N.V. - pipeline from Shell's Pernis refinery to transport ethylene to plant at Terneuzen	Apr. 10	65						

Enjay Chemical Co. - Baton Rouge, La. ethylene and butadiene expansion Feb. 13-21	May 8 61	Process for plating Novodur	May 29 17	Fulton Industries - Bell Industries see Bell Industries	
Baytown, Tex. cyclohexane plant	Feb. 27 7	Farbwerke Hoechst AG - acquires interest in Union Espanola de Acido Acetico	Jan. 23 44	Furniture City Plating Co. - electroplating plastics Feb. 27-48	May 29 17
Cyclohexane production	Mar. 20 53	Ethylene oxide and ethylene glycol plant near Kelsterbach	May 8 53		
Extrud Film Corp. guns for oriented polypropylene film sales	Feb. 13 103	Ethylene-propylene rubber plant	Mar. 13 48		
Garvin, Clifton Jr. - new president: he aims to boost profits - not volume	Apr. 24 141	Hoechst Pharmaceuticals Industries Ltd. - pharmaceutical plant in Bangkok	May 8 53	Gagliardi Research Corp. - vapor-phase treatment of textiles	Jan. 9 95
Houston Astronome gets "sundimer" coating	May 8 48	Permanently antistatic plastics	May 29 18	Gardner Laboratory, Inc. - color difference meter	May 29 59
Linden, N.J. methyl ethyl ketone capacity increase	Mar. 13 77	Farman Research Labs. - acetylenics	Feb. 20 81	Tetracycline case	June 12 17
Neo-pentanoic and neo-decanoic acid prices	Mar. 20 64	Fargy, Inc. - canned candles in shape of vegetables, fruits and animals	June 12 60	Geigy Chemical Corp. - batch-type drug formulation streamlined at new Suffern, N.Y. plant	June 19 37
Oxo alcohol prices	Jan. 2 41	Ferguson, H.K. Co. - desalting process using nuclear heat in a dual-purpose reactor	Feb. 13 94	Cranston, R.I. specialties plant capacity boost	May 8 36
Enre Nazionale Idrocarburi (ENI) - petrochemical complex expansion at Gela, Sicily	Apr. 24 108	Ferment-Farma - American Cyanamid wins Canadian patent suit over Italian-made tetracycline	Apr. 10 65	DMSO gums for drug debut	June 12 73
Sales and earnings	Apr. 17 100	Ferro Corp. - acquires Filtrors, Inc. Lithium aluminum silicate for refractory market	Jun. 19 33	Geigy Agricultural Chemicals div. airlifts 5-ton shipment of herbicide to Puerto Rican sugar growers	Mar. 20 69
Enthone Inc. - blackening process	Apr. 10 108	Fertilizantes del Istmo - merger	May 15 115	General Aniline & Film Corp. - cetyl vinyl	Apr. 17 146
Electroplating plastics Feb. 27-47	May 29 17	Fertilizantes de Monclova - merger	May 22 83	Commercial Development Dept. - copolymer of octadecyl vinyl ether and maleic anhydride	May 15 123
Erco Engineering Corp. - testing anti-fouling effectiveness of refinery feedstock additives in preheat exchangers	Apr. 17 66	Fertilizantes Valencia - ammonia plant	May 8 53	End of a chapter - Viewpoint	May 22 18
Erickson Corp. - operations recorder	Jan. 30 62	stymied	May 22 83	Formaldehyde plant at Calvert City, Ky. - GAF - the shacks are off - report	Mar. 13 61
Essex Chemical Corp. - mileage-measuring device helping to eliminate costly downtime for tank trucks	May 22 104	Conoco's fertilizer project	Jan. 23 44	A.J. Piombino charts	Feb. 27 8
Stock dividend	Jan. 2 14	Fertilizer project offered	Jan. 2 8	Government asks bids for its holdings	Apr. 24 116
Sulfuric acid prices Jan. 9-79	May 8 68	Fiat Metal Manufacturing Co. - purchased by American Cyanamid Co.	Feb. 13 86	High-foaming, biodegradable surface active agents	Apr. 24 34
Esso Research and Engineering Co. - direct digital control system to be used in Esso's Fawley Refinery	Apr. 3 54	Fiberfill Paper Corp. - Evans Products Co. purchases shares	Jan. 16 35	Insoluble PVP	Apr. 24 56
Oxidation process for making secondary alcohol	May 22 95	Supreme Court ruling says company had duty to bargain with plant union before contracting out maintenance work	Apr. 24 50	Listing on N.Y. Stock Exchange	June 26 81
Patents reveal how refiners can manipulate hydrogen, convert crude oils to over 100% volume yields of gasoline - letter	May 8 84	Fiberfill Inc. - Hercules negotiates for license	Jan. 9 103	Polymeric derivatives for use in spray-on bandages, aerosol hair sprays - Mar. 13 61	May 22 59
Esso Standard - ammonia and urea plant in the Philippines	June 26 7	Windsor Locks, Conn. plant to double capacity	Apr. 17 50	Properties of vinylated cotton cellulose in silver and fabric forms	Feb. 13 21
Esso Standard Eastern - urea and ammonia plant in Pakistan	May 15 99	Filtros, Inc. - acquired by Ferro Corp.	June 5 30	Stockholders meeting - company pledges doubling of capital spending this year, will seek to grow by acquisition	June 26 24
Establishments Kuhlmann - Canadian fertilizer plant	Jan. 2 36	Firestone Tire & Rubber Co. - fiber expansion in Virginia	June 19 33	Textile size	June 26 82
Ethicon, Inc. - for adhesive adhesives	Feb. 13 85	Lake Charles, La. modernization	Apr. 10 90	Ultraviolet absorbers prices	June 26 68
Ethyl Corp. - Baton Rouge, La. expansion	Jan. 2 21	Apr. 17-34	May 22 30	U.S. finally sells its 93.5% holding of common stock	Mar. 20 29
Baton Rouge, La. polymerizing unit planned	May 8 61	Magnolia, Ark. coated-fabrics production expansion	Mar. 20 27	General Applied Science Laboratories - merger with Marquardt approved	Apr. 17 49
Diethyl aluminum prices	Feb. 27 15	Rumanian rubber plant Jan. 2-35, Jan. 23-20, Jan. 30-14, Mar. 6-22	May 1 9	General Dynamics - Aluminat - submersible for ocean exploration	Mar. 27 76
Ethyl aluminum sesquichloride price cut	Apr. 24 94	Tires for Indianapolis "500"	May 22 47	Comvair Div. - PNC products	Feb. 20 97
LPG as fuel for autos	Feb. 20 73	To buy Seilon, Inc.'s tire division	Mar. 13 35	Effects of radiation on three high-temperature solid film lubricants	May 22 60
Raymond Bag Co. div. multiwall plastic-kraft combination bag	May 29 25	First Atomic Transport Inc. - application to operate NS Savannah commercially	May 15 44	Electric Boat Division - submarines for ocean mining	Apr. 17 136
Stock split	Jan. 16 35	First Mississippi Corp. - Cooper, Owen launching company into chemical operations (map)	Apr. 17 42	Liquid Carbonics Div. nitrous oxide production	Feb. 6 51
TEL motor mixes prices	Feb. 6 59	Joint ammonia plant near Baton Rouge, La.	Mar. 6 18	Liquid Carbonic Div. to market device for nitrogen-freezing of food	Feb. 20 92
Vinyl monomer capacity boost at Baton Rouge, La. and Houston, Tex.	Feb. 6-24, 31	Options on Louisiana tracts	May 8 61	Liquid Carbonic Div. will be distributor for Bayou Oxygen's new unit	Mar. 20 32
VisQueen Div. plans PE plant at La Grange, Ga.	Jan. 23 31	Partner with FS Services in First Nitrogen Corp.	June 5 22	Will make liquid carbon dioxide with Bandesco	Apr. 17 100
Eurofund Inc. - Engelhard Hanovia purchases "effective working control"	May 1 23	First Nitrogen Corp. - ammonia plant at Donaldville, La. will start building	June 5 22	General Electric Co. - Advanced Technology Laboratories technique for control of fuel-cell membrane quality	Mar. 27 66
Evans Products Co. - Fiber Products Div. formed	Jan. 9 29	Cooper, Owen launching company - ammonia plant due onstream (map)	Apr. 17 42	High-speed printing technique for use in automated information-retrieval systems	Jan. 9 91
Purchases shares of Fiberboard Paper Products Corp.	Apr. 24 50	Fischer Scientific Co. - dimethylacetamide	Feb. 27 68	Industry Control Dept. fiber heater	June 12 101
Eversharp Inc. - Carter Products files patent infringement suit for hot lather aerosol shaving cream	Mar. 13 21	Glutaraldehyde	Apr. 10 54	Instrument Dept. - furnace control	June 5 53
Everet Co. Ltd. of Canada - Flintkote Co. acquires Grand Quebec plant	Apr. 17 49	Stock offering	June 19 99	Japan nuclear plant bidding	May 22 83
Esso Pharmaceutical Corp. - Pfizer tetracycline case	June 26 24	Ultrasonic devices	Apr. 17 49	Medical synthetics - silicone rubber compounds	Jan. 2 21
Extrud Film - polyethylene film prices	Feb. 27 53	Fisons (Pty) Ltd. - Ammonia plant at Milnerton, South Africa	May 8 53	New process will be installed in nuclear fuel reprocessing plant	Mar. 20 88
F&M Scientific Corp. - licenses Conoco's chromatograph column	Mar. 20 81	Flavorex Inc. - Naarden moves into U.S. market with takeover of Flavorex	Jan. 9 37	Plans unit for purification of tungsten ores	Feb. 20 57
FMC Corp. - American Viscose Div. diversifying into polyester fibers	Mar. 6 25	Flexrock Co. - valve and pump packing	Jan. 30 63	PPO joint venture set up in Japan	Apr. 24 108
American Viscose Div. - plastic film production plans	Apr. 3 17	Flintkote Co. - acquires Grand Quebec plant of Everet Co. Ltd. of Canada	Apr. 17 49	Quartz windows	May 29 59
Chlor-alkali antitrust suit Jan. 2-8, (charts)	Jan. 9 21	Fluor Corp. - contract for GE nuclear fuel reprocessing plant	Mar. 20 88	"Self-cleaning" electric ovens - civil suit charges GM with patent infringement	May 22 17
Divisional sales breakdown (table)	Apr. 17 44	Foods Plus, Inc. - APL Corp. acquires stock	Feb. 20 57	Silicone Products Dept. - develops new silicone rubber June 12-76	June 19 100
Inorganic Chemicals Div. trona mining and processing expansion at Green River, Wyo.	May 22 24	Foots Mineral Co. - exploration program first full-time geologist employed	Feb. 6 41	Silicone Products Dept. silicone fluid	Apr. 10 108
Inorganic Chemicals Div. ups exploration budget	Feb. 6 41	Lithium to be produced from Nevada brine	May 22 22	Small AC Motor & Generator Dept. - aluminum-frame motors	May 15 124
John Bean Div. fire-fighting truck	May 8 63	Ford Motor Co. - Mount Clemens, Mich. vinyl plant expansion	Mar. 13 35	Tungsten prices	Jan. 23 66
Organic Chemicals Div. flame-retardant plasticizer, Kroniflex EX	May 15 86	Foremost Dairies Inc. - acquires Strong Cobb Amer. Inc.	May 22 29	Vacuum pump	June 12 102
Oxychloride cement flooring materials increase sales pace	Apr. 3 30	Purchase of Drex Chemical Corp. stock	May 8 26	General Foam Corp. - Hazleton, Pa. plant addition	June 19 33
Patent lawsuit with Stauffer settled	Jan. 16 35	Forestry Research Corp. - USDA permit to experiment with FRX-2 growth regulator	Mar. 13 83	General Mills' - Chemical Div. - polyamide resins Jan. 9-83	Jan. 23 40
Phosphorus-containing flame retardants	May 29 32	Formica Corp. - Roseville, Calif. new laminated plastics plant	May 22 30	General Mills de Mexico - dimeric acid	May 15 99
President J. Hail - optimism rising at F&M	Apr. 10 43	West Coast plant for production of laminated plastics	May 8 36	General Motors Corp. - ammonia as fuel for autos	May 1 25
Refractory brick magnesium oxide prices	Mar. 20 64	Foster Grant Co. Inc. - BASF license	Jan. 30 19	Frigidair div. - GE files civil suit charging patent infringement of "self-cleaning" electric ovens	May 22 17
Unsymmetrical dimethyl hydrazine for propulsion systems	Apr. 3 12	Foster Wheeler Corp. - patent on furnace for use in high-severity cracking	May 15 111	Lithium-chloride batteries	June 19 79
FS Services - joint ammonia plant near Baton Rouge, La.	Mar. 6 18	Fostoria Corp. - Chemump Div. - canned pump market battle	Feb. 13 99	General Precision Equipment Co. - Ocean Systems, Inc. see Ocean Systems, Inc.	
Mergers with Producers Seed Co. and Wisconsin Farmco Service Cooperative	June 5 22	France Wyoming Oil Co. - Socony will buy oil and gas properties and undeveloped leases	May 8 35	General Refractories Co. - Warren, O. plant planned	Jan. 23 31
Partner with First Mississippi Corp. in First Nitrogen Corp.	June 5 22	Freeman Chemical Corp. - licenses General Tire & Rubber foam process	Feb. 20 57	General Technology Corp. - Vacuum Products Div. purchased by Whittaker	June 12 46
Partner with Wisconsin Farmco Service Cooperative	June 5 22	Freeport Sulphur Co. - ICC overrules objections on Canadian sulfur rail rates	June 5 45	General Tire & Rubber Co. - Chemical Plastics Div. starting a third fabrication plant in its Polyfoam operation	Apr. 17 50
Farbenfabriken Bayer AG. - Australian court upholds rights to use the Bayer cross on pharmaceutical products	May 22 84	Liquid sulfur shipments	Mar. 20 70	Marion, Ind. reinforced plastics parts plant expansion	Apr. 24 49
Hanover Fair exhibits	May 29 18	Sulfur prices	Mar. 6 57	Synthetics winning firm hold in market for shoe materials	May 1 45
		Sulfur production and demand	Jan. 16 61	Genesco Inc. - PVC-based sole material - latest synthetic for shoe material market	May 1 45
		Frontier Chemical - small companies hold their own against the giants	Apr. 3 26	Gentry, Inc. - merger with Consolidated Foods ruled illegal	May 8 24
		Frost, Charles E. & Co. - American Cyanamid wins Canadian patent suit over Italian-made tetracycline	Apr. 10 65		
		May buy factory at Valleyfield, Que.	Feb. 6 32		
		Will be bought by Merck & Co.	June 19 55		
		Fuller, H.B. Co. - paint additive	Apr. 10 108		

Geophysics Corp. of America - aerospace expandable structures	June	5	39	Great Lakes Chemical - expanding in bromine and derivatives, spinning off oil and gas business, appraising molybdenum discovery	Jan.	23	23	Hewitt-Robins, Inc. - merger with Littton Industries, Inc.	Jan.	30	19
Georgia-Pacific Corp. - distribution center in Minneapolis, Minn.	Mar.	20	32	Molybdenum find in California	Jan.	16	21	Hexcel Products, Inc. - common stock increase	Mar.	27	29
Gordon Paper Div. - lower-cost paper for office duplicating	Jan.	9	95	Great Northern Paper Co. - purchases site at Point Pleasant, W. Va.	Apr.	3	23	Heyl & Patterson - pilot plant to recover usable coal from mine wastes	Feb.	20	79
Merger with Bestwall Gypsum Co. Jan. 16-22	May	22	30	Green Valley Chemical Corp. - ammonia plant at Creston, Ia.	May	29	21	High Polymer and Petro-Chemical Engineering Ltd. - nylon plant at Prizren, Yugoslavia	Mar.	13	48
Plywood plants planned at Emporia, Va. and Crossett, Ark.	Jan.	23	23	Gross, A. & Co. - acquired by Millmaster Onyx Corp.	Mar.	13	35	Hills-McCanna Co. - chemical-feed system. Diaphragm valves	Feb.	20	81
Waste pipeline into Pacific Ocean extended to overcome objections of resort owners	May	8	94	Gross, A. & Co. - acquired by Millmaster Onyx Corp.	Mar.	13	35	Hilts Shipbuilding & Engineering - loses contract for Indian Plant	Apr.	10	66
Giannini Scientific Corp. - Plasmadyne Div. - plasma spraying new units	June	26	81	Groupe de l'Industrie Chimique (GIC) - CPI issues bonds for expansion round	Apr.	10	66	Hoecap Chemicals (W. Germany) - joins UEE to make petrochemicals in Tarragona, Spain	Apr.	10	66
Gibbs & Hill Inc. - acquisition by Dravo Corp.	Apr.	10	54	Grow Chemical Corp. - Baronet Litho Co. div. expansion program at Johnstown, N.Y.	Feb.	13	33	Hoek's Machine & Zuurstoffabriek N.V.W.A. - air-separation installation	Apr.	10	65
Gibsonburg Lime Products Co. - acquired by Chas. Pfizer	Jan.	16	35	Guano y Fertilizantes - fertilizer plant	May	29	21	Hoffmann-La Roche, Inc. - riboflavin prices	Apr.	10	65
Gilman Paper Co. - pulp mill joint venture with S.I. Newhouse	June	19	33	Guano y Fertilizantes - fertilizer plant	Jan.	23	31	Valium - tranquilizer	May	15	62
Girdler Corp. - Canadian Industries Ltd. contract	Apr.	17	102	Merger	Feb.	6	32	Vitamin A prices	June	26	67
Glacial Corp. - acquisition by Tremco Mfg. Co.	Feb.	13	34	Gulf Design and Engineering - "Prayon process" patents for making phosphoric acid are invalid charges company	May	22	83	Hoke, Inc. - valve operator	Jan.	23	40
Glidden Corp. - licenses General Tire & Rubber loan guaranty	Feb.	20	57	Gulf Oil Corp. - aid-to-education budget to foreign universities	Apr.	17	34	Holland, Suco Color Co. - expanding color production	Apr.	24	50
Multiple analysis approach to measuring effectiveness of maintenance	Mar.	20	84	Benzene prices	Mar.	13	38	Fertilizer pigments	May	15	124
Organic Chemicals Div. hires blind panelists to test food and cosmetic additives	Mar.	6	64	Cedar Bayou, Tex. being made a vast chemical complex; plans for polyethylene plant approved	Mar.	20	64	Homestake Mining - joint lead-zinc venture in Missouri Feb. 27-23	Apr.	17	50
Pinene conversion efforts	Jan.	23	87	Construction contract for Venice, La. complex to Brown & Root, Inc.	June	20	57	Potash project in Saskatchewan - 50% capacity increase	Feb.	6	22
Global Marine Exploration Co. - oceanography service contractor	Apr.	17	138	Ethylene prices, plants	June	16	25	Hooker Chemical Corp. - acquires Rubber Corp. of America Apr. 17-49	May	22	30
Goodrich, B.F. Chemicals Co. - ABS - producers jostle for new plants and processes	June	12	108	Korean fertilizer venture	June	26	49	Ammonium phosphate complex in Louisiana will be started up by Erol Beker of National Phosphate	Apr.	3	16
Goodrich Chemical Co. div. chlorine plant planned at Calvert City, Ky.	June	5	26	Open's chemical ledgers to the public	May	15	23	Alkali antitrust suit Jan. 2-8, (charts)	May	29	31
Grants Montecali license on its oxychlorination process	Mar.	13	48	Petrochemical complex in Britain	Apr.	24	107	Foundry binders	Mar.	27	35
Nantz, Thomas discusses plastics	Jan.	2	7	Spencer Chemical Div. see Spencer Chemical Div.	Mar.	6	31	Halogen disposal system - key is recuperative-heat furnace	Apr.	10	122
Oxychlorination process to be used by European firms	Feb.	27	66	Toledo, O. alkylation unit planned	Mar.	6	31	National Phosphate Corp. - fertilizer plant in Hamville, La.	May	22	29
Plated plastics outlook bright	Feb.	27	46	Gulf Research & Development Co. - hydrocracking licensing agreement with Houdry Process and Chemical	May	15-69	111	North Tawanda, N.Y. resins plant planned	Feb.	6	31
PVC containers	Feb.	20	105	Gulf Sulphur Co. - Mexico's future sulfur exports tied to discovery of new reserves	May	8	27	Phosphorus Div. plant at Davenport, Ia. expansion	Mar.	6	31
Stereospecific synthetic rubber plant to be built at Orizaba, Mex.	Mar.	20	27	Gustin-Bacon Manufacturing Co. - Berlin, N.J. glass-fiber plant planned	Jan.	9	29	President T. Willers predicts rising production	Apr.	10	43
Goodrich-Gulf Chemical, Inc. - initiates court action as patent covering cis-polybutadiene rubber is issued to Phillips Petroleum	Apr.	24	33	H-K Co. - Great Salt Lake project - Hooker Chemical third partner	Mar.	27	18	Stock option plan	Apr.	24	45
Polybutadiene rubber conflict moves from Patent Office to court	May	1	16	Utah's Great Salt Lake - company loses exclusive rights to extract magnesium chloride Jan. 2-12	Feb.	6	22	TEL motor mixes prices	Feb.	6	59
Patent Office to court	Feb.	13	74	Haeger Pottery - medical synthetics market - ceramic bones	Jan.	2	21	Third partner in Great Salt Lake project	Mar.	27	18
Operation will close	Feb.	13	74	Halby Products Inc. - thioglycolic acid	Apr.	24	145	Tropical Paint Div. - roof coating	June	5	56
Goodyear Aerospace Corp. - aerospace expandable structures	June	5	39	Halbrand, Inc. - disposable toothbrush	Feb.	27	34	Hoosier Soil Service - acquired by Solar Nitrogen Chemicals	Mar.	27	18
Goodyear Tire & Rubber Co. - antioxidant	Feb.	13	110	Halbrand, Inc. - disposable toothbrush	Feb.	27	34	Hoover Ball & Bearing Co. - purchases Lencor Mfg. Corp.	Feb.	20	57
Bakersfield, Calif. plant expansions	May	22	29	Halbrand, Inc. - disposable toothbrush	Feb.	27	34	Hopkins Chemical Co. - contract to distribute bidrin	Mar.	13	83
Buying the tire business of Lee National Co.	May	8	35	Hamill, C.P. Co. - acquires S.S. Skelton Co.	Feb.	13	34	Houdry Process and Chemical - hydrocracking licensing agreement with Gulf Research & Development Co.	May	15-69	111
Decatur, Ala. unit for processing nylon and polyester tire fabric	Jan.	2	14	Hamilton Caster & Mfg. Co. - wagon trucks	Feb.	27	68	Houghton, Philip A. Inc. - acquires N.S. Wilson & Sons	Mar.	6	31
Goodyear Chemical Div. polyester fiber and film forecasts	Mar.	27	57	Hamilton Chemical Corp. - acrylic polymers	May	8	64	Houllieres du Bassin du Nord et du Pas de Calais - exhibits at Paris Chemshow	May	15	93
Indonesia's takeover of rubber plantations	Mar.	13	27	Hamilton-Scotch - all-plastic ice chest	Jan.	30	52	Houston Chemical - TEL motor mixes prices	Feb.	6	59
Option on Consohocken, Pa. plant of Lee Rubber & Tire Co.	Mar.	20	32	Hammermill Paper Co. - buys N.Y. & Pennsylvania Co. division	May	22	29	Houston Natural Gas Co. - ethylene plant	Apr.	10	53
Pilopave L170 - additive for highway resalant	Apr.	17	122	Civil rights support pledged - pickets drop protest - Alabama mill project will proceed	May	22	29	Extraction plant near Alvin, Texas	Apr.	24	49
Polyester capacity boost at Point Pleasant, W. Va. plant	June	26	18	Erie, Pa. headquarters expansion	May	22	29	Joint venture to build natural gas liquids plant near Alvin, Texas, pipeline to Phillips Sweeny refinery and ethylene plant	Apr.	10	46
Solid-state polycondensation method	Apr.	17	115	Kraft pulp mill near Selma, Ala. planned	Mar.	27	29	Houston Pipe Line - ethylene pipeline near Houston, Texas	Jan.	16	26
Tires for Indianapolis "500"	May	22	47	Hampshire Manufacturing Corp. - air-mattress business	Jan.	30	49	Natural gas pipeline opens in Texas	Apr.	24	49
Grace, W.R. & Co. - acquires Dearborn Chemical Co.	Apr.	24	49	Harris Paint Co. - bought by Grow Chemical	May	29	21	Howard Industries Inc. - purchases plastics plant from Sinclair-Koppers Co.	Apr.	10	54
Acquisition of Marco Chemical Corp. and Cornelius Wax Refining Corp. proposed	Mar.	20	17	Harshaw Chemical - antimony oxide prices	Feb.	20	74	Howe Sound Co. - Refractory Div. expansion	Apr.	24	50
Acquisition of Southbridge Plastic Products, Inc.	June	12	18	Femco Labs. Div. - Glucose test	May	29	60	Huber, J.M. Corp. - growing market for inkmakers	Apr.	17	125
Buying Vitro Chemical's rare earth plant in Chattanooga, Tenn.	May	8	35	Hart Products Corp. - cationic softeners	Feb.	13	110	Hudson Bay - zinc smelting cartel	Apr.	24	107
Cryovac Div. - Brantford, Ont. plant to make oriented polystyrene sheet	May	8	53	Harvey Aluminum - reduction plant planned	Feb.	6	23	Hughes Aircraft Co. - aerospace expandable structures	June	5	39
Davison Chemical see Davison Chemical Deway and Almy Div. - plastic crown market	Feb.	13	37	Havag Corp. - breach-of-contract suit	Jan.	2	40	Thermal-control paints	Feb.	13	61
Dewey & Almy Div. - sealing compound plant at Atlanta, Ga.	May	8	36	Havag Industries, Inc. - all-plastic tank for storing hydrochloric acid	Mar.	20	70	Humble Oil & Refining Co. - asphalt unit at Tampa, Fla.	May	29	21
Diammonium phosphate plant planned in Florida; expansion at Bartow complex	Jan.	9	23	Hedwin Corp. - PVC blow-molding technology	Feb.	20	105	Baytown, Tex. refinery will hire wage employees	May	8	92
Divisional sales data (table)	Apr.	17	44	Heraeus-Engelhard Vacuum Inc. - liquid nitrogen baffle	June	12	101	Bayway refinery gets new labor contract but plant faces layoff	Feb.	20-30	60
DuBois Chemical acquisition fight still on	May	29	18	Hercor Chemical - Puerto Rican petrochemical plant	Feb.	20	21	Colored plastic containers for motor oil	May	15	54
Escalating nuclear energy projections	May	22	96	Hercules Kemiska Ab. - Pexol resin size plant at Sandarna, Sweden	June	19	55	Crystalline wax prices	Jan.	9	80
Fiber expansion in Virginia	Apr.	10	90	Hercules Powder Co. - acquisition of chemical cotton operations of Southern Chemical Cotton Co.	Feb.	13	34	Donation of \$5-million research center to Univ. of Tulsa	Mar.	13	37
Marshall ammonia process may be used in new Trinidad plant	Mar.	6	73	Azak - new pre-emergent crabgrass control chemical	Apr.	24	115	Hydrogenation unit at Baytown, Tex.	June	5	30
Molecular sieves from clay	Apr.	17	73	Cairns, Robert W. joins Defense Science Board	Apr.	10	50	Molecular sieves from clay	Apr.	17	73
Phthalic anhydride plant at Cornwall, Ont.	June	19	55	Dock facilities near Louisiana, Mo. planned	May	8	61	Moss Landing, Calif. building still in question	June	12	45
Polyethylene prices	May	1	41	Fiber expansion in Virginia	Apr.	10	90	Oil import debate	Mar.	20	25
Preparing urethane latices	Apr.	17	115	High-density polyethylene copolymer	Apr.	10	90	Toluene and xylene prices	Mar.	6	31
Purchases Teroson-Werke	Feb.	20	52	Indian petrochemical plant Apr. 24-108	Feb.	13	74	"Ultra modern" refinery planned in Monterey County, Calif. Feb. 20-18	Apr.	17	84
Sales and earnings outlook	Apr.	24	41	MHD generator powered by explosives	May	12	96	Wax prices	Mar.	13	35
Smog-control devices	Apr.	24	41	Missouri Chemical Works at Louisiana, Mo. expansion	May	8	78	Wayland Chemical Div. - antismash agent	June	12	102
Stock dividend	Apr.	24	45	Negotiations with Fibertel Inc. for an exclusive license	Apr.	17	50	Hydrocarbons Research Inc. - research to convert coal into liquid hydrocarbon products	Feb.	20	36
Grain Processing Corp. - Rohwer, R.G. testifies at R.J. Reynolds Tobacco-Penick & Ford merger hearings	May	29	16	New method of extruding high-density, ultrahigh-molecular weight polyethylene	Mar.	20	88	Hynes Chemical Research - cyanuric fluoride	May	29	59
Granite City Steel Co. - basic oxygen furnace plant at St. Louis, Mo.	May	8	61	Pentaerythritol prices; expansion at Louisiana, Mo.	May	8	68				
Basic-oxygen process steelmaking	Mar.	27	28	Turpentine prices	May	8	67				
Graphite India Ltd. - organized	Apr.	24	108	Herdillia Chemicals Ltd. - Indian petrochemical plant Apr. 24-108	June	12	96				
Great Lakes Carbon Corp. - bulk trailers cut costs of distribution of diatomite	May	15	54	Hess Oil & Chemical Co. - stock transfer with Billups Eastern Petroleum	June	19	33	I.C.I. (Organics) Inc. - chlorinated hydrocarbon plant planned for Bayonne, N.J.	Jan.	30	10
Expansion program at Niagara Falls, N.Y.	Apr.	3	23	Hetero Chemical Co. - ferrocene derivatives	Feb.	20	81	IIT Research Institute - combustible cartridge cases	June	19	93
Organizes Graphite India Ltd.	Apr.	24	108								

Cryotransfer - device for nitrogen-freezing of food	Feb. 20	92	Senegal stamps commemorating new industries	May 1	55	Kellogg International - Netherlands ammonia plant	Feb. 6	32
Gearing to develop new aerosols for major chemical companies	May 29	55	International Nickel - nickel-silicon alloy as replacement for silver	May 1	42	Kennametal Inc. - nodular tungsten	Feb. 13	109
Microencapsulation processes - new aerosol system can jacket ultrafine particles	Jan. 2	45	International Paper Co. - Omaha, Neb. plant to close	May 22	30	Kennecott Copper Corp. - molybdenum ore processing facilities Mar. 20-30	Apr. 10	53
PN polymers	Jan. 2	97	Pulp and paper mill on the Yazoo River, north of Vicksburg, Miss.	May 29	21	Kernco Explorations (Australia) Pty. Ltd. - minerals search program in northwestern New South Wales	May 22	84
Thermal-control paints	Feb. 13	61	International Polymer - Puerto Rican plants	Feb. 20	21	Keramerics Corp. - aluminum oxide ceramic body	June 5	56
(NI) - asks permit for fertilizer-chemicals complex in Huella	Feb. 27	24	International Process & Products Development Corp. - disposable toothbrush refinery planned	Feb. 27	34	Kerr-McGee Oil Industries Inc. - blending	Feb. 13	22
INPAQO (Industria Petroquímica para el Agro) fertilizer project	Jan. 30	29	Whiskey Island plant expansion	May 15	31	Fertilizer blending operations	June 12	46
ISC - zinc smelting cartel	Apr. 24	107	International Synthetic Rubber Co., Ltd. - synthetic rubber output seen doubling	Mar. 27	29	Fertilizer program - ten-year timetable	Jan. 23	24
Ibarra, Eduardo y Compania S.A. - chemical joint-venture to produce phosphates for food	Apr. 24	107	Inveresk Paper Co. - pulp mill at Port Hudson, La.	May 29	15	Minerals exploration program	Feb. 6	41
Ideal Cement Co. - cement plant in Seattle	May 22	30	Inversiones Esso - application to import duty-free benzene feedstock turned down	May 8	36	Uranium from lignite	Mar. 6	74
Indesit Petrochemical Co. - plans to produce polystyrene	May 27	47	Ionics, Inc. - striving to develop new markets for electrodialysis process	June 19	55	Kilgannon Co. - Metrol Corp. buys product rights of Kilcolite	Jan. 9	29
Imperial Chemical Industries, Ltd. - ammonia plant at Milnerton, S. Africa	May 8	53	Iroquois Glass Ltd. - Sogemines Ltd. acquiring all assets	June 13	28	Kimberly-Clark Corp. - paper machine to Coosa Pines, Ala. mill	Jan. 9	29
Argentina - production and plans	Jan. 30	28	Isochem, Inc. - formed	Apr. 10	65	Purchases site on the Savannah River	June 12	45
Building two units to boost PVC capacity	May 15	99	Itaiver Societa per Azioni - Pittsburgh Plate Glass acquires major interest	June 12	46	Niagara Falls, N.Y. mill layoff	Feb. 20	30
Chambers, Paul - MCA hears policy decision on selling to Iron Curtain countries	June 12	33	Itoh, C. & Co. - Thailand fiber company formed	Jan. 30	35	Kimberly Clark Pulp & Paper Co. Ltd. - will supply timber to Weldwood	Feb. 20	52
Dyestuff prices	Jan. 16	43	Jamaica Detergents Ltd. - Kingston plant will turn out Surf, Tide and Fab	Feb. 20	52	Kitchens of Sara Lee - food-freezing process called for freezing	Mar. 6	68
European synthetics detergent market - biodegradability will cause each country to take a different route says ICI	Jan. 9	50	James, T. & Co. - Louisiana plywood plant scheduled	Apr. 24	34	Klockner-Humboldt-Deutz A.G. - Canadian phosphoric process	June 5	71
Gives recognition to scientists not inclined to administration	Feb. 6	32	Japan Gasoline Co., Ltd. - oil refinery in Venezuela	Jan. 2	14	Koch-Light Laboratories Ltd. - high-purity research materials	Feb. 27	68
Heavy Organic Chemicals Div. to boost alcohol capacity	Jan. 2	36	Jefferson Chemical - ethylene glycol prices	May 22	83	Kodak Ltd. - two former employees acquitted of passing secrets to representative of Deutscher Innenund Aussenhandel (DIA Chemie)	Mar. 13	22
High-temperature polyolefin	June 5	79	Ethylene unit at Port Neches, Tex.	Feb. 13	86	Kohl Enterprises, Inc. - Cyprus Mines plans acquisition of Aquafil Co.	Feb. 27	23
Increases exports	Feb. 13	86	Surfaceant intermediates	Mar. 27	58	Kohlensaure Industrie AG - joins Industrias Coromina S.A. to form Catistakko S.A.	Jan. 23	44
Investigating possibilities of sales to Red China	May 15	99	Urethane chemical Thanol R-350-X	Jan. 16	26	Koninklijke Zout-Ketjen N.V. - petrochemical complex near Rotterdam	June 26	18
Nylon expansion	Apr. 17	100	Urethane foam for Houston's Astrodome stadium	Apr. 24	146	Koppers Co. - acquires US Plastics & Chemical Corp.	May 29	60
Overseas operations responsibility divided	Apr. 17	100	Jefferson Lake Petrochemicals of Canada - sales and earnings	Jan. 9	84	Basic-oxygen process for Granite City Steel	Apr. 17	49
Polypropylene copolymer	June 26	82	Jersey Technical Consultants - immersion cooler	Apr. 17	87	Chairman Foy predicts higher sales and earnings	Apr. 10	43
Silicones plant at Ardeer in Ayrshire	Apr. 17	100	Johnson Matthey & Co. - hydrogen purification by diffusion through palladium membranes	May 22	84	Corporate partnership formed with Sinclair Oil to broaden plastics operations	Jan. 9	18
Sumitomo Chemical Engineering seeks ammonia synthesis process	Feb. 27	24	Johnson, S.C. & Son Inc. - Chemical Div. - polyamide resins	Mar. 27	85	First project ethylene units	Jan. 16	38
Imperial Chemical Industries of Australia and New Zealand - continuous process for laminating urethane	Jan. 16	53	Office and warehouse in Memphis, Tenn.	June 5	56	Cresylic acid prices	Mar. 20	64
Imperial Oil Enterprises, Ltd. - Connell, J.R. discusses why controls fail	May 15	38	Waxdale, Wis. addition	Apr. 10	53	O-cresol by methylation of phenol, getting 2, 6-xylenol as co-product	May 22	53
India Dyestuff Industries Ltd. - caustic soda & potash plant to be built	Apr. 10	66	Jupiter Corp. - Integral Process Systems, Inc. div. - new device for nitrogen-freezing of food	May 22	30	Phthalic anhydride prices Jan. 30-45, Turkey's Ereğli steel mill opened amid U.S. feeling	June 19	76
Industrial Air Products Co. - industrial gases plant in Missoula, Mont.	Jan. 9	29	Kaiser Aerospace & Electronics Corp. - contracts from Thiokol	Feb. 20	92	2, 6-xylenol production at Follansbee, W. Va.	June 19	57
Industrial Biochemicals, Inc. - polypeptides	Feb. 20	82	Kaiser Aluminum & Chemical Corp. - aluminum barges	Apr. 10	53	Korad Corp. - lasers trigger polymerization reactions Apr. 10-102	Apr. 10	87
Industrial Process Engineers - joint venture will offer turn-key formaldehyde plants	Jan. 30	58	Aluminum projects in Ghana and Australia	June 12	37	Rare-earth ions are key to new laser crystals	Apr. 17	113
Industrias Coromina S.A. - joined by Kohlensaure Industrie AG to form Catistakko S.A.	Jan. 23	44	Fluorspar shipments from Mexico stopped by longshoremen's strike	Feb. 20	25	Krebs & Cie. - Canadian fertilizer plant	June 5	40
Industrias Quimicas Asociadas (IQA) - Copas pulls out of petrochemical project Feb. 6-32	May 8	53	Kaiser Chemicals Div. advances onstream date for Gramercy, La. isocyanates plant	Feb. 6	23	Krupp - will supply titanium to Texas Eastman plant	Feb. 13	85
Ethylene plant in Tarragona, Spain	Apr. 10	66	Kaiser Refractories - Frostburg, Md. plant to get new units	Feb. 13	33	Kureha Spinning - nylon producers want to form a cartel	Jan. 23	75
Industries Chimiques Maghrebines - complex-fertilizers plant at Gabes, Tunisia	May 8	53	Kaiser Refractories' refractory brick	Mar. 27	81	Kyowa Kogyo - monosodium glutamate plant at Brindisi, Italy	May 29	37
Ingersoll-Rand Co. - air hoist	Feb. 27	69	More capacity at primary aluminum plants	Feb. 13	74		Jan. 23	44
Inian Cement Co. Ltd. - Sogemines Ltd. acquiring all assets	Apr. 10	65	Research center at Pleasanton, Calif. planned	Feb. 13	34			
Instituto Venezolano de Petroquímica - government seeks private capital	May 8	55	Will sell wire and cable plant at Bristol, R.I.	Feb. 6	31			
Joint subsidiary with Union Carbide for polyethylene Mar. 13-48	June 19	26	Kaiser Cement & Gypsum Corp. - agrees to divest	Apr. 10	54			
Intalco Aluminum Corp. - Bellingham, Wash. smelter capacity may be doubled	Feb. 20	81	Kalvar Corp. - plans purchase of Standard Office Systems, Inc.; will add to its equipment line	Jan. 30	19			
Bellingham, Wash. - smelting plant to get second potline	Feb. 6	23	Kamwell Products Co. - plastic welder	June 19	99			
Integral Motor Pump Corp. - new canned pump for slurries may open battle for leakproof pumping market	May 29	21	Kaneb - nylon producers want to form a cartel	May 29	37			
Interchemical Corp. - acquires Cooney-Weiss Fabric Corp.	Feb. 13	99	Kanagafuchi Chemical - acrylonitrile staple fiber exports	Jan. 16	44			
Growing market for inkmakers	Jan. 9	29	Joint 50-50 firm for polyethylene	June 12	96			
Synthetics winning firm hold in market for shoe materials	Apr. 17	125	Kansai group - Osaka Petrochemical Industries see Osaka Petrochemical Industries	Jan. 16	44			
Intercontinental Chemical Corp. - purchases Continental Chemical Co.; W.R. Grace brings suit against Hargadone and Intercontinental	May 1	45	Kawecki Chemical - Metalonics Corp. see Metalonics Corp.	Jan. 16	44			
International Business Machines - petrochemical pilot plant to aid in direct digital control studies	Jan. 30	18	Kee Lox Mfg. Co. - bought by Paterson Carbon & Ribbon Co.	May 29	17			
Service Bureau - "packaged" computer programs	Apr. 17	122	Kellogg-American, Inc. - compressors	Mar. 20	101			
Systems Development Div. - type 1600 digital-control system	Apr. 3	54	Kellogg, W.W. Co. - ammonia builders and operators look for loopholes in patent	Jan. 23	71			
International Chemical Corp. - alkaloid	May 8	63	Ammonia plant construction for Du Pont	May 1	9			
International Flavors and Fragrances - new chemicals from pine sources	Jan. 23	87	Ammonia plant for Allied at Geismar, La. Apr. 3-9	Apr. 10	101			
International Latex, Inc. - synthetic rubber expansion in Cheswood, Del.	Apr. 3	23	Bid for basic patent rights on prevailing ammonia processing methods	Jan. 2	33			
International Minerals & Chemicals Corp. - direct data link with railroads helps cut fertilizer delivery time	Mar. 6	77	Battle lines being drawn	Jan. 9	96			
Entry into ethical drugs weighed	June 5	26	Novel petroleum refining scheme bypasses gasoline, makes ethylene-propylene directly from crude oil	Apr. 24	120			
Esterhazy, Sask. potash mine expansion Feb. 6-22, Feb. 20-73	Apr. 17	83	Special way to continuously pour concrete cuts chimney costs - German invention licensed	May 6	41			
Foundry binders	Mar. 27	35	Sumitomo Chemical Engineering seeks ammonia synthesis process	Feb. 27	24			
Largest U.S. explorer for underground resources	Feb. 6	40						
Malk, J.M. predicts world fertilizer growth	Apr. 24	76						
Ocean mining	Apr. 17	136						
Phosphate chemicals expansion in Bonnie, Fla.	May 22	30						
Phosphate prices	Apr. 17	83						
Polish prices Apr. 17-83	May 8	67						
Prefers to sell fertilizer materials through independent dealers	Jan. 23	34						

Link-Tenco-Vought, Inc. - reinforced poly- ester instant airport	Feb. 27	62	Matheson Co., Inc. - facilities to transfer anhydrous hydrogen chloride from tank cars to cylinders	Mar. 6	31	Mitsui-GE Kagaku KK - Mitsui Petrochemical and GE joint venture to market and sell PPD in Japan	Apr. 24	108
Link-Belt Corp. - Delmar roller chain	Mar. 13	28	Matheson Scientific of Maryland formed	May 15	31	Mitsui Petrochemical Industries - ethylene capacity boost	Feb. 13	85
Lithium Corp. - Great Salt Lake - joint venture with Salzdetfurth	May 22	22	Matheson Scientific of Maryland - formed	May 15	31	PPD joint venture set up in Japan	Apr. 24	108
Mining shift to Great Salt Lake			Matsumagi Lake Mines Co. - Canadian fertilizer plant	Feb. 13	85	Mobil Chemical Co. - Beaumont fertilizer project will include ammonia	Apr. 3	10
Little, Arthur D. Inc. - coating process uses bubbles to whiten paper	May 22	54	McCall Oil & Chemical Corp. - Great Western Chemical Div. purchases Allied Cleaner Supply Co. and Palviny & Sons	Feb. 13	34	Formaldehyde manufacturing unit at Kachungu added	May 29	37
Litton Industries, Inc. - merger with Hewitt- Robins, Inc.	Jan. 30	19	McGeen Chemical Co. - purchased by Chemtron	May 22	29	Moving toward global integration; starts up polystyrene unit in Britain (chart & table)	June 5	28
Litwin Engineering Co. - licensed to export Standard Oil of Ohio acrylonitrile technology to East Germany Jan. 2-35, Jan. 23-30	Jan. 30	14	McKesson & Robbins - tetracycline case - Lederle Labs will continue selling	Jan. 9	18	Survey and core-drilling program on potash permits in Saskatchewan	Apr. 3	10
Livingston Electronic Co. - low-temperature satellite	May 1	28	McLoughlin - hydrochloric acid for steel pickling	June 5	61	Terephthalic acid plant in Beaumont, Tex. to be sold	Apr. 23	53
Lockheed Aircraft - major contractor for fiscal '64	Mar. 20	41	Mead Corp. - special way to continuously pour concrete cuts chimney construction costs	Mar. 6	41	V-C Chemical Co. Div. takes a minority interest in Fosforos Industriales	Apr. 17	100
Lockheed-Georgia - Novawood has new tradename, Lockheed and new pilot- plant home	Mar. 6	67	Meadox Medicals - medical synthetics market	Jan. 2	21	V-C Chemical Div. Vircol 82 flame- retardant	May 29	32
Lockheed Missiles & Space Co. - manned interplanetary vehicle that makes its own gravity	Jan. 16	54	Mechim - to supply specialty catalysts in oil and near Belgrade	May 15	99	Mobil Chemicals Ltd. - starts up poly- styrene unit in Britain	June 5	28
Ocean mining	Apr. 17	136	Medusa Portland Cement Co. - cement plant at Charlevoix	June 5	30	Mobil Oil Co. alkylation unit at Fendale, Wash. refines	Mar. 20	32
Prime contractor for Poseidon missile program	Mar. 13	88	Shipping facilities at Charlevoix, Mich. - expansion plan will use two ships as base of new pier	June 26	44	Oil combine to build gas plant at Grand Chenier, La.	May 8	36
Thermal-control paints	Feb. 13	61	Mekop-Albros Fertilizer Works - urea	June 20	99	Processing oil	Feb. 4	92
Lockheed Propulsion Co. - solid-booster program	Apr. 3	13	Merck & Co. Chemical Div. - vitamin additive, Merpress	June 26	82	Molydenite Corp. of Canada Ltd. - Quebec mines	Jan. 23	66
Long Star Producing Co. - Nipak, Inc. see Nipak, Inc.	Jan. 2	34	DMSO gums for drug debut	June 12	73	Molybdenum Corp. of America - europium oxide plant at Mountain Pass, Calif. planned	Apr. 3	43
Long Island Light Co. - will purchase electricity from N.Y. State Atomic and Space Development Authority Riverhead plant	Jan. 2	34	Streptomycin sulfate, penicillin prices	May 1	42	Molybdenum mining	Mar. 20	30
Loos G.L. & Co.'s Fabrieken N.V. - air- separation installation	Apr. 10	65	To buy Charles E. Frost & Co.	June 19	55	Monsanto Chemical Co. - ABS - producers jostle for new plants and processes	June 12	108
Lubrizol Corp. - thiodic	Mar. 27	85	Merck Sharp & Dohme - nonsteroid anti- biotics - led by indomethacin	June 26	76	Acrlan suit filed by Bell Industries	Mar. 6	17
Lummus Co. - contract for Du Pont's ethylene plant Jan. 23-75	Jan. 30	19	Thiendazole, drug to combat gastro- intestinal parasites of sheep and other domestic animals - feature attraction at Yugoslav fair	Jan. 30	35	Acrylonitrile expansion at Chocomalet plant Jan. 12-21, Feb. 20-23	June 12	45
Contract for GAF's formaldehyde plant	May 22	18	Mercury Chemical Corp. - plant will handle processing jobs on a custom basis	Mar. 6	39	Adiponitrile plant at Alvin, Tex.	May 8	67
Sulfuric acid from pyrites - Finnish- developed Outokumpu process	Jan. 2	27	Metal Hydrides Inc. - potassium hydride dispersion	Mar. 6	81	Adiponitrile from acrylonitrile electro- lytically	Jan. 16	53
Lurgi - von Heyden phthalic anhydride process to be offered	Feb. 20	92	Metalurgique de Prayon, S.A. - Gulf Design charges "Prayon process" patents for making phosphoric acid are invalid Apr. 10-36	Apr. 17	34	Agricultural Div. pre-emergence herbicide Aspirin outfit to be increased	Feb. 27	69
MHD Research Inc. - beryllium phosphonates	Apr. 17	115	Metallurgical Corp. - copper-phosphorus and copper-phosphorus-silver brazing alloy	June 26	67	Blow-molded PVC for foodstuff	Jan. 2	14
MHD generator powered by explosives	May 8	78	Metro Inc. - nickel-chromium coating	June 19	100	Blow-molded PVC for foodstuff	Feb. 20	105
M.S.A. Research Corp. - spill kit	Feb. 27	68	Metro-Atlantic, Inc. - Greenville, N.C. new plant	May 22	29	Chairman C. Thomas predicts new highs in sales and profits	Apr. 10	43
M & T Chemicals Inc. - antimony oxide prices	Feb. 13	73	Metrol Corp. - buys product rights of Kilcolite from Kilgannon Co.	Jan. 9	29	Chemstrand Div. synthetic fiber promotion Dow charging infringement of linear inter- polymer patent	Feb. 20	41
Sodium antimonate prices	Feb. 27	54	Michigan Chemical Corp. - producer of europium and strontium oxides - letter	May 8	16	Formaldehyde and adhesive resin produc- tion at Eugene, Ore. plant	May 22	23
Maatschappij Tot Exploitatie Van N.V. Koolwaterpas - ammonia project	Feb. 6	32	Tetramethylphthalic anhydride flame- retardant	May 29	31	Foundry binders	Jan. 16	43
MacDermid Inc. - electroplating plants	Feb. 27	47	Michigan-Dynamics, Inc. - Standard Products Div. - throwaway filter elements	May 15	123	Honorary degrees from St. Louis Univ. for company and three executives	May 1	55
Phosphate coating	May 29	17	Midland Chemical Corp. - files articles of incorporation	May 8	35	Inorganic Chemicals Div. establishes electronics department	Jan. 9	29
MacMillan, Bloedel & Powell River Ltd. - abandoned plans to build newsprint- pulp mill at Kitimat, B.C.	May 22	84	Midland Industries Ltd. - Pacific Petroleum purchases interest	Apr. 10	65	Kroger, Arthur, SOCCA chief dies	Jan. 27	28
Macy, R.H. & Co. - plans to sell product lines of drugs and toiletries through other stores	Jan. 30	47	Midwest Research Farms - contract to distribute Bidrin	Mar. 13	83	Maleic anhydride prices	Jan. 12	83
Magnesium Anodizing Corp. - incorporated	June 5	30	Niros Inc. - vacuum pump	Jan. 9	83	Methyl sulfoxide prices	Jan. 16	43
Malinkrodt Chemical Works - PVC stabilizers	Apr. 24	146	Nilchem Western Hemisphere Inc. - files articles of incorporation	May 8	35	New details of making synthetic detergent without use of spray towers	Feb. 6	80
Mann Research Laboratories - glucosamine	May 29	59	Niles Laboratories, Inc. - realignment of worldwide operations	May 15	31	Oil vs. chemicals: feedstock fight nears showdown	June 5	24
Maronast Corp. - laboratory detergent	June 19	100	Miller, Franklin P. & Son Inc. - de-lumper	Mar. 27	85	Organic Chemicals Co. Div. - coolant (fluid)	Jan. 9	84
Marathon Chemische Werke Bayern GmbH. - new company set up to build and operate petrochemical complex at Burghausen, Bavaria	Feb. 27	8	Millmaster Onyx Corp. - acquires A. Gross & Co. and A. Gross Candle Co.	Mar. 13	35	Phosphorus plant at Soda Springs, Ida. to get electric furnace	Feb. 13	22
Marathon Corp. - will supply timber to Belgrade	Feb. 20	52	Onyx Chemical Div. see Onyx Chemical Co.			Phthalate plasticizers prices	Mar. 27	57
Marathon Oil - petrochemical complex at Burghausen, Bavaria will be built and operated by new company, Marathon Chemische Werke Bayern GmbH.	Feb. 27	8	Miller-Pearson Corp. - paint preservative	May 29	60	Plated plastics outlook bright	Feb. 27	46
Phasing-out its fitness reports based on personality traits, replacing them with financial reports	Feb. 20	29	Mine Safety Appliances Co. - air sampler	June 12	102	PT film resin prices	Apr. 10	88
Marlette Corp. - epoxy encapsulation and potting compound	Feb. 20	82	Minnesota Mining Mfg. Co. (3M Co.) - beater additive	Jan. 9	84	Solid-fertilizer prices	May 29	67
Marcos Chemical Corp. - Grace, W.R. acquisition	Mar. 20	17	Carbonless copy paper market patent infringement suit with NCR settled	June 26	68	Supports Dow's request for trade zone at Bay City, Mich. insists on equal treat- ment for all chemical concerns	June 19	24
Mark Systems, Inc. - dry, in-flight processing of aerial photos	May 29	64	Epoxy resin as a coating	May 15	124	Utah's Great Salt Lake extraction - possible partner with Lithium Corp. in extracting magnesium chloride	Feb. 6	22
Market Research Laboratories - organized approach to packaging planning called for	Apr. 24	127	Thin film of fluorocarbon extends ball bearing life	May 1	29	Water-clear rigid PET bottles	Apr. 3	57
Marquardt Corp. - merger with General Applied Science Labs, approved	Apr. 17	49	Minnesota and Ontario Paper Co. - Boise Cascade Corp. acquisition Jan. 9-29	Feb. 13	33	Will make dichlorethane and derivatives with Etno Quimica	Apr. 17	100
Martin Co. - contract to research high- energy-rate-forming of metals	Apr. 10	50	Mississippi Chemical - Cooper, Owen leads chemical operations - company growth and expansion (map)	Apr. 17	42	Monsanto Europe S.A. - plasticizer plant in Antwerp	June 5	71
Nuclear Div. 10,000-watt mobile nuclear power plant	June 26	25	Mississippi Federated Cooperatives - oil refinery planned	May 29	31	Monsanto Research Corp. - contract for research program on high-performance composites	Apr. 10	50
Martin Marietta Corp. - AEC's Hanford, Wash. plant - operation of chemical recovery processes	Feb. 20	36	Missouri Portland Cement Co. - offers to buy Obear-Nester Glass Co.	June 5	30	De-icing chemicals - best compound for removing snow, ice and slush from airport runways	June 19	30
Cement plant planned for Milan, Mich. project for AEC's Hanford, Wash. project	Mar. 6	31	Mitsubishi Chemical - ammonia expansion	June 12	96	Urethane foam for aerospace expandable structures	June 5	40
Joined US Rubber to form new company	Feb. 27	23	Mitsubishi Heavy Industries, Inc. - agree- ment on design and engineering consultation with Chemical Construc- tion June 12-106	Apr. 17	42	Montecatini - Goodrich, B.F. Chemicals grants license on its oxychlorination process	Mar. 13	48
Martini Industries, Inc. - purchases Northern Dyeing Corp.	June 5	30	Mitsubishi Petrochemical - taking the lead in Japanese ethylene production	Jan. 23	44	Oxychlorination process will be used in Brindisi plant	Feb. 27	66
Massachusetts Plastics Corp. - acquired by Rexall Drug & Chemical	Mar. 20	32	Mitsubishi Rayon - acrylonitrile fiber exports	May 8	53	Sales and earnings	Apr. 17	100
Master Mechanics Co. - urethane sealants	Jan. 16	69	Mitsui - benzene orders from U.S. turned down	Mar. 13	48	Sulfuric acid from pyrites - new process DPI	Jan. 2	27
Materials Handling Equipment Co. - ethylene gas	Feb. 13	109	Modiflour glutamate plant at Brindisi, Italy	Jan. 23	44	Monsanto Chemicals - DDT prices	Jan. 2	27
Materials Research Corp. - microscope that can "see" atoms	Feb. 6	79	Osaka Petrochemical Industries see Osaka Petrochemical Industries			Mo och Domsjo - Sulfonated organic materials plant at Stenungsund	Mar. 13	48

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Paperkraft Corp. - expansion	Feb. 13	33	Polyethylene prices	May 15	86	Pritchard, J.F. Co. - ammonia plant at Creston, Ia.	May 29	21
Parke, Davis & Co. - antimalarials	Apr. 17	115	Puerto Rico core chemical plant - company says they will import oil feedstock from Caribbean sources	Jan. 23	27	Dow Chemical contract for Freeport, Tex. Engineering for Best Fertilizer plant.	Jan. 2	12
Parker-Hannifin Corp. - Parker Tube Fittings Div. - high-pressure tube fitting	June 19	21	Puerto Rican petrochemical complex Feb. 20-21, Mar. 20-27, May 8-21, May 22-17	June 26	17	Procan, Inc. - Clark Oil and Refining's Chicago expansion	May 22	29
Parker Seal Co. - propellant seal	June 12	101	Safety of nuclear power reactors to be tested by breaking water-cooling-system pipeline	June 16	47	Procter & Gamble - glycerin prices	Mar. 20	32
Parry, E.I.D. Ltd. - Indian petrochemical plant Apr. 24-108	Jan. 30	62	Solulane plant added to Philtext unit in Berger, Tex.	Mar. 6	31	Personal paper products plant in Wyoming County, Pennsylvania	June 12	84
Parsons Construction Co. - contract for Sunray DX fractionator	June 12	96	Vinyl monomer operation with National Distillers	Jan. 24	33	Prices of toilet and fine fabric soaps	May 8	36
Paterson Carbon & Ribbon Co. - buys Kee Lox Mfg. Co.	May 22	29	Water purification program completed	Apr. 24	115	Sells do-it-yourself plastic parts-making to plants	Apr. 17	61
Paterson Parchment Paper Co. - diversification move into chemical specialties field	May 29	17	Wins decision in lawsuit brought by Houston oil operator Martin seeking damages	Apr. 24	115	Test marketing controlled-sudsing detergent, Bold	June 12	84
Patterson-Kelley Co. - solids-flow valves	Feb. 27	68	Phoenix Industrial Processes, Inc. - joint venture will offer turn-key formaldehyde plants	Feb. 20	17	Producers Seed Co. - merger with FS Services	June 5	22
Peabody Coal Co. - Square Creek Coal Co. - joint venture with Alcoa	Jan. 23	31	Phoenix Research Corp. - joint venture will offer turn-key formaldehyde plants	Jan. 30	58	Products Research Co. - building sealants	Jan. 16	70
Pechiney-Saint Gobain - joint venture with Union Carbide to build molecular sieves plant	Jan. 2	36	Phosphate Chemicals, Inc. - contract for phosphoric acid plant; joint venture fertilizer complex plans at Pasadena, Tex.	Jan. 30	58	Produits Chimiques Pechiney - Saint Gobain - exhibits at Paris Chemshow	May 15	93
Penick & Ford Ltd. - merger with R.J. Reynolds Tobacco Co. Apr. 17-40, May 29-16, June 22	June 12	18	Pico Corp. - insert flange	Jan. 23	17	Propyl-lac-tic Brush Co. - expansion program	Apr. 10	53
Penick, S.B. & Co. - Erickson Research Chemicals Div. - Cross-linker	Jan. 23	39	Pico Cryogenic Products Co. - cryogenic pump	May 22	107	Will be bought by Ox Fibre Brush Co.	May 22	30
Penn Valley Polymers Co. - polysulfide-silicone sealant	Apr. 24	146	Pierce Chemical Co. - trifluoroacetylacetates	Apr. 10	108	Proquiber - Huelva petrochemical center	May 22	84
Pennsalt Chemicals Corp. - centrifugal separator	June 19	99	Pillsbury Co. - Chemical Div. polysaccharide - one gun to do the job of two	Feb. 6	92	Provedora de Empacadores S.A. - chemical joint-venture to produce phosphates for food	Apr. 24	107
Chlor-silanti antitrust suit Jan. 2-8, (charts)	Jan. 9	21	Consolidation of production of cyclamate and saccharin sweeteners at Painesville, O. plant	Mar. 13	87	Public Service of Colorado - 330-megawatt gas-cooled reactor	Apr. 3	20
Dodecyl mercaptan prices	Jan. 9	43	Novel nut-coating process may eliminate vacuum-canning	Jan. 30	46	Publishers Paper Co. - Oregon mill hit by flood	Jan. 9	23
Joint venture with Olin reargued	May 8	24	Pima Mining Co. - hiking copper production	Apr. 24	111	Cleanup and repair after flood	Jan. 23	23
Pressures up to 1 million psi. and temperatures up to 2500 C will be explored in effort to synthesize new chemical compositions	June 26	75	Pioneer Chemical Co. - United Chemical purchased physical assets and oil field interest	Apr. 24	50	Puerto Rican Cement Co. - expansion program	Apr. 3	23
Stock dividend	Apr. 24	45	Pittsburgh Coke & Chemical Co. - diversification - company halting manufacture of original products, betting on activated carbon, ag chemicals	June 5	30	Puerto Rico Chemical - phthalic anhydride plant Feb. 20-21, May 29-45	June 26	17
Pennsylvania Railroad - proposed merger with NYCRR would improve rates, service	Apr. 10	129	Pittsburgh P' de Glass Co. - acquires major interest in Italver Societa per Azioni Jan. 23-44	Jan. 30	35	Pure Oil Co. - American Mineral Spirits Co. div. warehouse at Tucker, Ga.	Feb. 13	33
Perry Products Co. - heated storage tanks	June 12	101	Chemical Div. Bargerton, O. silica pigments plant expansion Feb. 13-33	Mar. 20	32	Merger with Union of Calif. Feb. 27-8, Mar. 6-24, May 8-21, May 15-17	June 12	17
Petrobras - Brazil campaigns for bigger investment in petrochemicals	Apr. 10	57	Chemical Div. - carbon bisulfide prices. Chlor-alkali antitrust suit Jan. 2-8, (charts)	June 12	84	Smith's Bluff refinery, Nederland, Tex., adding facilities to produce hexane and heptane	Mar. 20	18
Petroleos Mexicanos (Pemex) - fertilizer plant in Mazatlan considered	Feb. 27	24	Differential Surface Refractometer for measuring the strength of tempered glass nondestructively	Jan. 9	21	Purex Corp. Ltd. - purchases stock of Wallace Chemical Co.	Mar. 27	29
Operating budget revealed	Jan. 30	35	Divisional sales data (table)	Feb. 6	79	Puritan Compressed Gas Corp. - nitrous oxide expansion	Feb. 6	51
Ordered to take over construction of polyethylene plant in Reynosa	Jan. 23	44	Electrically heated windows for autos - R. Whitmore at SAE	Apr. 17	44	Quaker Chemical Japan, Ltd. - files incorporation articles	Mar. 20	32
Petrometer Corp. - blowout gun clears clogged instrument transmission lines	May 22	107	Fails in bid to build Japanese vinyl chloride plant	May 29	63	Quaker Oats - Chemicals Div. - furfural price	Apr. 10	87
Petroquímica Argentina S.A. - petrochemical complex	Jan. 30	28	Float-glass plant - plans firmed up for unit at Crystal City, Mo.; West Coast project next Feb. 23	May 8	53	Furfural and furfuryl alcohol supply shortage	Mar. 6	58
Petrosur S.A. - fertilizer plant	Jan. 30	29	Fresno, Calif. window glass plant will use PPG's own process	Mar. 13	88	Quebec Lithium Corp. - lithium extraction process	May 29	35
Pfizer, Charles & Co. Inc. - acquires Gibsonburg Lime Products Co. and Dolite Co.	Jan. 16	35	Peroxide prospects	Apr. 24	46	Racon Corp. - fluorocarbon refrigerant gas plant in Kan.	Apr. 10	53
British drugmakers worry over patent legal setback	Feb. 13	85	Testing chlorostyrene	Apr. 24	73	Radiation Applications, Inc. - radiation graft copolymer basis for new battery separator	June 5	80
Calcium and sodium propionate prices	Jan. 16	43	Planet Mining Co. Pty. Ltd. - minerals search program in northwestern New South Wales	Feb. 20	100	Radiation Dynamics Inc. - accelerator	June 26	81
Citric acid antitrust suit - Pfizer found not guilty	May 15	23	Plascon Co. - acquired by Standard Oil Co. (Ohio) Mar. 6-21	May 22	84	Radio Corp. of America - Graphic Systems Div. formed for developing, manufacturing, marketing new electronic systems for processing all types of printed data	May 8	46
Corrosion-resistant stainless steel molding powder	May 26	81	Plastic Coating Corp. - Scott Paper acquisition	Mar. 20	32	Rare-earth phosphors in color tubes	Mar. 27	72
Pneumonia vaccines	May 8	46	Plastugli - partner in rubber company	June 26	18	Radiochemicals, Inc. - incorporation	June 5	30
Powers, John - new president	May 22	21	Plenum Press - computer-compiled publication summarizing the electronic properties of 10,000 materials	Feb. 13	86	Ram Chemicals - expansion program at Santa Ana, Calif.	Apr. 3	23
Patency dispute	Mar. 27	18	Poco Graphite Inc. - PGI series	Mar. 13	96	Rautaurukki Oy - contract to Air Products, Ltd. for oxygen plant	Jan. 30	35
Tetraycline patent suits filed	Apr. 10	35	Podell Industries - dispersed colors	Mar. 13	93	RayData Corp. - vibration monitor	Feb. 27	68
Litigation with Davis-Edwards	May 29	9	Poli-Rey, S.A. - Pemex works over construction of polyethylene plant in Reynosa	Jan. 23	44	Rayex - photochromic glasses judged "not acceptable by Consumers Union"	June 19	88
Pharmaceutical settlements	June 12	17	Poloron Products Inc. - all-plastic ice chest	Jan. 30	52	Reactive Metals Inc. - alloy for underwater use	Mar. 27	76
Injunctions against Continental Vitamin Corp., Garden Laboratories, Mike Berk Associates, Wolin's Pharmaceutical Corp. Wins judgment against Westward, Inc. Wins series of consent judgments in infringement cases, but some drug industry sources think the patent situation is still unresolved	June 12	17	Polymer Corp., Ltd. - agreement on carboxylated SBR latexes signed with Sinclair-Koppel group formed	June 26	76	Reashtabula, O. sponge capacity increase	May 1	52
Latest distributor to be enjoined is Evco Pharmaceutical Corp.	June 26	24	Sales and earnings	May 22	84	Red Barn Chemical Co. - ammonia contract with Dow	Jan. 2	12
Phenex Corp. - USDA examining antifungal spray, Phenex Fungicide Concentrate	Mar. 13	83	Polythene Chemical Co. - emulsifiable polyethylene	Apr. 17	100	Reeves Industries - Alloy Surfaces Co. see Alloy Surfaces Co.	Feb. 20	52
Philadelphia Quartz Co. - ammonium silicates - letter	May 20	7	Polyvinyl Chemicals, Inc. - merged into Beatrice Foods	May 8	64	Regie Autonome des Petroles - partner in rubber company	Feb. 13	86
Hydrophobic silicates	May 8	64	Pontiac Refining - cyclohexane unit at Corpus Christi, Tex.	Jan. 30	19	Reichhold Chemicals, Inc. - Carteret, N.J. plant to double capacity of melamine crystal	May 8	35
Organic aluminum silicate	Mar. 6	81	Potash Co. of America - Saskatoon, Sask. mine production starts	Mar. 20	53	Foundry binders	Mar. 27	35
Phillips & Jacobs Co. - acquired by Tasty Baking Co.	Mar. 20	32	Standard Oil of N.J.'s proposed acquisition - U.S. argues move would be illegal short-cut to prime salt in potash industry	Feb. 13	24	Hydrocarbon resin production starts at Gulfport, Miss. plant	June 26	68
Phillips Petroleum Co. - acquisition of two thermoplastic fabricating plants from St. Regis Paper; subsidiary formed	Jan. 23	24	Standard Oil of N.J. defends merger	Feb. 20	22	Jacksonville, Fla. plant turns out polyester and alkyd resins	Feb. 6	60
Companhia de Carbonos Coloidais will produce carbon black using Phillips' process and patent	May 15	99	Antitrust trial nears end	Feb. 27	15	Phthalate plasticizers prices	Mar. 27	57
Cyclohexane production	Mar. 20	53	Power Corp. of Canada, Ltd. - buying 15% stake in Consolidated Paper Corp. Ltd.	Mar. 27	47	Varum Chemical div. expansion program	Jan. 16	35
Detergent alkylate plant in Pasadena, Tex.	Apr. 10	53	Pratt & Lambert Inc. - Buffalo laboratories new units	Feb. 13	33	Reichhold Chemicals (Canada) Ltd. - North Bay, Ont., plant to make both urea-formaldehyde resin adhesives	Apr. 24	108
Ethylene plant	Apr. 10	53	Pressure Chemical Co. - iron carbonyls	Apr. 10	53	Reichhold Chemicals del Caribe - Puerto Rican plant	Feb. 20	21
Extraction plant near Alvin, Texas	Apr. 24	49	Manganese carbonyl	Mar. 20	101	Reilly Tar - small companies hold their own against the giants	Apr. 3	26
Gas turbine's potential in chemical processing - Phillips-Southwestern PS power deal	Jan. 30	54	Price's Ltd. - fatty acid market	June 5	53	Reliance Universal, Inc. - common stock increase	Mar. 27	29
Helium recovery plant to be built in Kansas	May 8	26	Princeton Chemical Research, Inc. - dianhydride	Feb. 6	60	May purchase Panelyte Div. of St. Regis Paper	Jan. 2	14
Joint venture to build natural gas liquids plant near Alvin, Tex. pipeline to Sweeny refinery and ethylene plant	Apr. 10	46	Fast-growing contact know-how specialist - pyromellitic dianhydride plant will be first unit	May 29	59	Repesa - partner in fertilizer plant	Feb. 27	24
Marlex mesh - polypropylene medical specialty	Apr. 10	76		May 8	42	Reposil Iberica - to maintain 100% ownership of a plastics molding plant in Madrid	June 5	71
National Reactor Testing Station will be offered to new contractor in Feb. '66	Feb. 27	20				Republic Manufacturing Co. - selector valve	Jan. 9	84
Polybutadiene rubber conflict moves from Patent Office to Texas Goodrich	May 1	16						
Gulf files challenge to Phillips patent Apr. 24-33								

Republic Steel Corp. - hydrochloric acid for steel pickling.	June 5	61	San Diego Gas & Electric - LNG storage tank.	Apr. 10	118	Sierracin Corp. - supersonic aircraft creating new demand on materials for windows.	Apr. 24	52
Titanium plate orders no longer accepted.	May 1	52	San Diego Plating Co. - plated plastic.	Feb. 27	48	Signal Oil - hydroquinone may have new future based on new process.	June 19	87
Research Organic Chemical Co. - chronic chloride.	June 19	99	Sandia Corp. - isotopes teamed with solar cells to generate electricity.	May 29	63	Simoniz Co. - Morton Salt acquires majority interest.	May 8	48
Resistoflex Corp. - lining for pipes.	Feb. 20	82	Sandoz Inc. - disperse dye.	June 5	56	Simplot, J.R. - Brandon, Manitoba site of fertilizer complex.	May 29	10
Retzloff Chemicals - agricultural chemicals plant at Bayport, Tex.	Apr. 3	23	Sanitized Chemicals for Construction, Inc. - jointly owned.	Feb. 27	69	Canadian site to be chosen for fertilizer complex.	May 1	9
Revco Drug & Chemical Co. - ABS expansion at Joliet, Ill.	May 22	23	Sanitized Sales Co. of America, Inc. - forms Sanitized Chemicals for Construction, Inc.	Apr. 3	23	Fertilizer expansion program at Pocatello, and Conda, Ida.	Jan. 30	9
ABS - producers jostle for new plants and processes.	June 12	108	Santiam Lumber Co. - Louisiana plywood plant scheduled.	Jan. 2	14	Phosphate rock beneficiation plant planned in Idaho; Pocatello complex to get new units.	Feb. 13	22
Acquires Massachusetts Plastics Corp. Buys Thompson Industries.	Mar. 30	32	Santiam Southern Co. - Louisiana plywood plant scheduled.	Jan. 2	14	Sinclair-Koppers Co. - agreement on carboxylated SBR latexes signed with Polymer Corp.	June 26	76
Packaging film.	Mar. 13	35	Scherer Corp. - DMSO gums for drug debut.	June 12	73	Corporate partnership formed to broaden plastics operation.	Jan. 9	18
Repsol Iberica see Repsol Iberica.	Apr. 24	146	Scientific Advances, Inc. - pressure transducer.	May 29	59	First project ethylene unit.	Jan. 16	38
Subsidiary, Rexall GmbH, in Frankfurt, Germany will sell products from U.S. parent.	Jan. 2	36	Scientific Design - air-oxidation method for converting olefins and double-bond compounds.	June 12	105	Howard Industries purchase.	Apr. 10	22
Rexall-El Paso - Odessa, Tex. PR unit expansion.	May 22	63	Scott Aviation Corp. - bought Beach Chemical Co.	June 12	46	New foreign-trade-zone ethylene plant proposed.	Mar. 13	54
Reynolds Aluminum - aluminum in automotive engines.	Apr. 24	115	Scott Maritimes Pulp Ltd. - new subsidiary formed to operate pulp plant at Abercrombie Point, Nova Scotia.	Jan. 9	29	Port Arthur, Tex. PE capacity aims.	May 22	64
Reynolds Metals Co. - aluminum projects.	Feb. 20	25	Scott Paper Co. - acquisition of Plastic Hancock, Arthur - administrator of employee moving policies.	June 26	18	Sinclair Oil Corp. - New York World's Fair exhibit gets set for second season.	Apr. 10	46
Bauxite mined in British Guiana.	Mar. 13	48	Pulp plant planned at Abercrombie Point, Nova Scotia.	May 22	87	Puerto Rican petrochemical project considered.	June 26	17
Finned tube could cut heat-exchanger costs.	June 5	86	Takes over Alabama timberland.	Jan. 9	29	Sinclair Petrochemicals Inc. - hydroxy-terminated liquid resins, Poly B-D.	Feb. 13	109
Freeze-purification process for turning out pure aluminum Feb. 27-65.	Mar. 6	74	Sea Diver, Inc. - Ocean Systems, Inc. see Ocean Systems, Inc.	May 29	21	Sinclair Research - Tulsa research center consolidated into Sinclair Oil & Gas.	Jan. 16	67
Plans quarterly increase.	Jan. 2	14	Seaboard Shipping Corp. - containerized barges.	Feb. 13	104	Sinclair & Valentine - growing market for inkmakers.	Apr. 17	125
San Fabricio Tex. reduction plant capacity increase.	Apr. 17	50	Sea-Land Service, Inc. - bulk-liquid chemical transport between Puerto Rico and U.S. ports will be started.	Apr. 17	83	Siroil Laboratories, Inc. - Denver Chemical Manufacturing Co. acquires projects and name.	Feb. 13	34
Troutdale, Ore. plant expansion.	May 22	29	Plan to limit liability on shipments of drugs and cosmetics approved by ICC.	Feb. 20	36	Skeist Laboratories - market survey of sealants.	Jan. 16	68
Reynolds, R.J. Tobacco Co. - merger with Penick & Ford Ltd. Apr. 17-40.	June 12	18	Searle Co. - contraceptives & market grows.	June 19	21	Skelly Oil Co. - joint venture in ethylene and propylene with American Can.	Jan. 16	26
Rheinische Oelwerke GmbH (ROW) - Selsas Corp. 's first commercial high-severity-cracking furnace for ethylene will be installed in new plant.	Feb. 27	65	USDA examining antifungal spray, SC-12350.	Mar. 13	83	Korean fertilizer venture.	June 26	49
Rhodesia Broken Hill - zinc smelting cartel Rhone-Alpes - partner in rubber company.	Apr. 24	107	Sears, Roebuck & Co. - camping market - tents.	Jan. 30	48	Purchases interest in Chembond Corp.	Mar. 13	55
Richardson Co. - amphoteric surfactant.	Feb. 13	86	SeCure Sales, Inc. - manhole gaskets.	Jan. 9	83	Skelton, S.S. Co. - acquired by C.P. Hall Co.	Feb. 13	34
Richfield Oil - cyclohexane production.	Jan. 9	84	Selcon, Inc. - purchases Thomson Machinery Co.	Apr. 10	107	Smith, H.A. & Alderson Chemicals Ltd. - acquired by National Adhesives.	June 5	71
Riegel Paper Corp. - pulp mill at Port Hudson, La.	Mar. 20	53	Thermoplastic sheet output boost at Newcomerstown, O. plant.	Apr. 3	23	Smith-Ouglass - fertilizer producers buy local outlets in bid for bigger markets.	Jan. 23	34
Robertshaw Controls Co. - thermostat Jan. 9-83.	May 8	36	Tire division to be sold to The Firestone Tire & Rubber Co.	Apr. 24	49	Smith Kline & French Laboratories - agreement with Botany Industries Inc. to purchase Sea & Ski Div.	May 1	23
Robins, A.H. - common stock will be traded on the N.Y. Stock Exchange starting May 6.	Apr. 24	145	Tire division to be sold to The Firestone Tire & Rubber Co.	Mar. 13	35	Purchases Branson Instruments Inc.	June 19	33
Robin Steel Corp. - expansion project for next year.	May 15	31	Sekisui Chemical - adhesives for PVC film for use as highway dividing lines.	Apr. 17	122	Snell, Foster D. - taken over by Booz, Allen and Hamilton, Inc. - will operate as wholly owned subsidiary.	Jan. 9	96
Rochester Gas & Electric - plans for high-temperature, gas-cooled reactor hit a snag.	Feb. 27	66	Selas Corp. of America - high-severity-cracking furnace for ethylene will be installed in ROW plant.	Feb. 27	65	Snia Viscosa - blueprints \$86-million caprolactam complex for southern Italy.	Apr. 3	17
Rochester Portland Cement Corp. - Watertown, N.Y., site selected for cement plant.	May 1	23	Metal-membrane filter.	Jan. 9	83	Lysandra and Phalera subsidiaries to start synthetic fiber production.	Feb. 20	52
Rockwell-Standard Corp. - Air-Maze Div. vacuum arrester.	Apr. 24	145	Sequoia Refining Co. - purchases San Francisco site from Hercules for refinery.	June 12	46	Sno-Flake Products Co. - acquired by Amchem Products, Inc.	Jan. 30	19
Rogers Corp. - synthetics winning firm hold in market for shoe materials.	May 1	45	Selma - joint venture molecular sieves plant.	Jan. 2	36	Societa Aminova - monosodium glutamate plant at Brindisi, Italy.	Jan. 23	44
Rohm & Haas Co. - acrylic copolymer.	Feb. 13	110	Shamrock Oil and Gas Corp. - Dumas, Tex. anhydrous ammonia plant capacity to be doubled.	Mar. 27	29	Societe des Elastomers de Synthese - butadiene imported from Japanese firms.	June 19	55
Acrylic polymer.	May 29	50	Shawinigan Resins Corp. - polyvinyl resin Thermosetting version of polyspiroacetal.	Mar. 27	29	Societe des Engrais Saint-Laurant - joint venture Canadian fertilizer plant.	Feb. 13	85
Acrylic product prices.	June 26	67	Water-resistant emulsion.	Apr. 17	115	La Societe Generale de Financement at Montreal - Canadian fertilizer plant.	Feb. 13	85
Agricultural emulsifiers.	Jan. 30	63	Shell Chemical Co. - amide amine.	Mar. 13	78	Societe Generale d'Engrais et Produits Chimiques - ammoniac project.	Feb. 6	32
Coagulant aids.	June 19	100	Bidirectional organic phosphate - Dutch elm disease preventive.	Mar. 13	83	Societe Nationale des Petroles d'Agoutine - "commercial" dimethyl sulfoxide plant.	Feb. 20	91
Houston, Tex. methanol capacity upped.	Feb. 13	102	Detergent-range primary alcohol plants.	Mar. 20	18	Exhibits at Paris Chemshow.	May 15	94
Nonionic surfactant.	Mar. 27	85	Ethylene oxide and derivatives in Louisiana proposed.	Jan. 23	18	Mexican sulfur exports cut.	May 22	83
Plastic sheet, Kydex.	June 12	102	Ethylene plant at Norco, La.	Jan. 16	26	Sells high-pressure polyethylene process to Teikoku Rayon.	June 5	71
Purchases acres in Homestead, Fla. for research in agricultural chemicals.	Feb. 13	34	Geismar, La. second alcohol unit.	May 8	61	Societe Tunisienne de Banque - complex-fertilizers plant in Tunisia.	May 8	53
Synthetic fiber fabric.	June 5	56	Northwestern nitrogen project in Oregon confirmed.	Feb. 6	18	Socony Mobil Oil Co. - in situ combustion to boost crude oil recovery.	Apr. 24	116
Zinc carbonate prices.	June 12	84	Petrochemical Division formed.	Feb. 27	23	Mobil Chemical Div. see Mobil Chemical Co.		
Roussel-Uclaf - France's No. 2 pharmaceutical maker doubles sales in five years.	Apr. 10	60	Plastics & Resins Div. epoxy acrylic polymer.	Mar. 20	101	Mobil Japan, tanker, will further increase economic advantage of using foreign feedstocks.	June 5	24
Royal Chemical - acquired by Colorado Oil and Gas Corp. 's Wycon Chemical.	Feb. 13	22	Rubber Div. copolymer having the features of rubber and plastics.	May 8	78	Sponsor at Indianapolis "500".	May 22	47
Royal-Dutch/Shell - plastic film sales for W. Germany.	May 29	37	Sulfonane aromatic extraction process to be used in Commonwealth Petrochemicals Puerto Rico plant.	Mar. 27	72	To buy oil and gas properties and undeveloped leases.	May 8	35
Royster, F.S. Guano Co. - marketing department to handle nitrogen products.	June 19	33	Shell Chemical Co. Ltd. - polyethylene expansion.	Jan. 2	36	V-C Chemical Co. see V-C Chemical Co.		
Rubber Corp. of America - Hooker Chemical acquires the outstanding stock.	May 22	30	Shell Companies Foundation, Inc. - 50-year program of scholarships for five outstanding Negro students.	Mar. 13	37	Socony Mobil Oil of Canada Ltd. - gas processing and sulfur-recovery plant in Winborne, Alta.	May 1	23
Rumania - Huelva petrochemical center.	May 22	84	Shell Development Co. - insecticide.	Apr. 17	115	Socony Paint Products Co. - chemical-resistant coating.	June 26	82
Rustak Instrument Co. - temperature detector.	Feb. 20	81	Shell Internationale Research Maatschappij - cross-licensing agreements on epoxy resins.	May 29	37	Sogemines Ltd. - acquires all the assets of Brockville Chemicals, Iroquois Glass and Inland Cement.	Apr. 10	65
SIACE - Celanese acquired 71% interest.	May 29	37	Shell Oil Co. - gasoline plant at McAllen Ranch, Tex. onstream.	Feb. 13	33	Sohio Petroleum Co. - buys oil shale land from Standard Oil of Calif.	Jan. 16	35
Saarwerke - petrochemical project in the Saar.	Apr. 24	100	Natural gas from offshore Texas - first customer Dow Chemical.	Apr. 17	132	Solar Nitrogen Chemicals - Hoosier Soil Service acquisition.	Mar. 27	18
St. Lawrence Fertilizers - Vicker-Krebs Ltd. gets contract for phosphate complex.	May 8	22	Ocean mining - "Mr. Mobot", robot.	May 8	36	Solvents Recovery Service - custom-separating business.	Mar. 6	39
St. Lawrence Seaway Development Corp. - St. Lawrence Seaway - traffic surge has brought tonnage close to predictions, eased pressure for toll hikes (chart).	Feb. 27	29	Oil combine to build gas plant at Grand Chenier, La.	June 19	75	Sonneborn Building Products, Inc. - Division of De Soto Chemical Coatings - letter.	Apr. 17	87
St. Regis Paper Co. - expansion plans - complex near Monticello, Miss. and plywood plant at Crosby, Miss.	June 5	22	Oxygenated solvents prices.	Feb. 13	33	South African Pulp and Paper Industries - pulp mill slated for South Africa.	Feb. 20	52
Herrings, N.Y. paper mill to close.	May 8	36	Person, Tex. plant expansion.	Jan. 2	9	South Tahoe Public Utility District - Culp, R. describes Biljow project for waste control.	June 12	70
Negotiating for sale of 12% interest in Consolidated Paper Corp.	Mar. 13	35	Shell Chemical Div. joins domestic chlorine buildup.	Apr. 10	30	Southbridge Plastic Products, Inc. - Grace, W.R. & Co. acquisition.	June 12	18
Panelite Div. may be purchased by Reliance Universal, Inc.	Jan. 2	14	Udex process - letter.	Apr. 10	44			
Phillips Petroleum acquires two thermo-plastic fabricating plants.	Jan. 23	24	Shenango Inc. - Pitt Coke selling 50% interest.	May 29	37			
Salamanca - caprolactam plant in Mexico.	Apr. 10	65	Shorko Investing Co. - plastic film sales for W. Germany.	Feb. 13	85			
Salzdetfurth A.G. - Great Salt Lake joint venture with Lithium Corp.	Mar. 13	28	Shows Denko - ethylene capacity planned.					

Southeastern Public Service Co. - Hawaiian fertilizer plants acquired by C. Brewer & Co. Ltd.	Jan. 23	31	Methylene chloride prices	Mar. 20	64	Tacoma Boatbuilding Co. - U.S.S. Asheville, aluminum gunboat	June 12	36
Southern Chemical Cotton Co. - Hercules Powder plans acquisition of chemical cotton operations	Feb. 13	34	New corporate lineup - two new executive vice-presidents Archie Albright and Roger Gunder are running the team	May 22	24	Tai-Ta Chemical Co. Ltd. - formaldehyde manufacturing unit at Kaohsiung	May 29	37
Southern Nitrogen Co. - ammonia plants at Cincinnati, O. and Blairbridge, Ga.	May 15	18	Oxychlorination process	Jan. 16	35	Taiwan Polymer Chemicals Corp., Ltd. - polyethylene plant at Kaohsiung, Taiwan	May 15	99
Ammonia prices in deals with Tennessee Corp. and Air Products and Chemicals	Apr. 17	84	Patent lawsuit with FMC settled	June 19	55	Taiyo Chemical Industries (Tokyo) - corrosion preventive	Apr. 10	108
Common stock increase	Mar. 27	29	Petrochemical route to carbon bisulfide will be used in Cornwall Chemicals Ltd.	Jan. 23	17	Tasty Baking Co. - acquires Phillips & Jacobs Co.	Mar. 20	32
Common stock offering	May 15	17	Phosphate plants	Mar. 6	18	Taylor Corp. - forms new Prepreg Dept.	Mar. 13	35
Southern Railway - mileage allowances plan	Feb. 13	103	Phosphate project near Vernal, Utah	Feb. 27	15	Technic, Inc. - antislash finish	May 22	108
Southland Paper Mills - pulp and paper mill planned at Sheldon, Tex.	Jan. 23	23	PVC plant at Delaware City, Del.	Feb. 27	15	Rhodium plating solution	Feb. 20	82
Southwest Potash Corp. - potassium nitrate addition to ammonium nitrate prills advocated	June 26	75	Soda ash prices	June 12	84	Technical Fabricators Inc. - filter cartridges	Apr. 10	107
Southwest Research Institute - ethanol as fuel for autos	May 1	25	Sodium tripolyphosphate prices	May 29	45	Teijin Ltd. - nylon producers want to form a cartel	May 29	37
Sulfuric acid-using process for cleaning up dark Frasch sulfur can be automated	Feb. 20	77	Victor Chemical Div. contract for phosphate rock processing plant to Allis-Chalmers	May 22	24	Slashing output	Feb. 20	52
Southwestern Public Service Co. - Phillips will take the waste heat from gas turbine	Jan. 30	54	Victor Chemical Div.'s Silver Bow elemental phosphorus plant new unit	Jan. 2	14	Thailand fiber company formed	June 5	71
Space-General Corp. - aerospace expandable structures	June 5	39	Visual impact added to packaging of chemicals	Apr. 17	50	Teikoku Rayon - buys high-pressure polyethylene process from France	Feb. 20	52
Spaulding Pulp & Paper Co. - Times Mirror plans purchase	Mar. 27	29	Stearns-Roger Corp. contract for alkylation unit at Mobil's Ferndale, Wash. refinery	Apr. 24	128	Teknika, Inc. - combination centrifuge and sonic defoamer for PVC latex manufacture	Feb. 20	85
Spencer Chemical Co. - hydrocarbon process promises to yield liquid fuels from coal	Jan. 30	36	Contract for oil shale plant in Grand Valley, Colo.	June 5	30	Tenneco Chemicals Co., Inc. - acquires California Ink Co.	Mar. 20	32
Orange, Tex. huge blending unit aims at uniform product, lower processing costs	May 22	41	Stepan Chemical Co. - detergent manufacturing facilities from Maywood, N.J. transferred to Fieldsboro, N.J.	May 1	23	Facilities in Piscataway Township, N.J. planned	Apr. 17	50
Orange, Tex. polyethylene plant to resume production	May 15	85	Small companies hold their own against the giants	Apr. 3	26	Top-level management coordinating group formed	Jan. 9	23
PE rebuilt plant will ease supply squeeze	May 22	63	Sulfonation capacity expansion at Millsdale, Ill.	Feb. 6	31	Tenneco Corp. - expansion plans	Apr. 3	9
Post-emergence herbicide for corn	Jan. 23	75	Surfactant Makon NF-12	Apr. 10	108	Tenneco Manufacturing Co. - merger plans with Cary Chemicals Apr. 3-10	Apr. 24	44
Urea plant planned at Henderson, Ky.	Feb. 27	7	Sterling Drug - Chicago's Zimpro unit capacity will be expanded	June 26	76	Methanol plant at Pasadena, Tex.	Apr. 24	13
Spencer Kellogg - urethane coatings with new emphasis on fire retardancy	Jan. 9	45	Sterling Varnish Co. - curing agent, epoxy	June 12	132	Tennessee Corp. - Southern Nitrogen will buy ammonia	Apr. 17	84
Sperly Rand Corp. - Electro-Optics Group's gas laser device measures fluid flow in pipelines	Jan. 2	37	Stevens, J.P. - synthetic industrial fabric Dept. fabric-selection manual helps sort out synthetics for filter and dust-collector cloths	Mar. 27	63	Tennessee Eastman Co. - Kodol polyester fiber capacity hike	Jan. 16	35
Rare-earth ions are key to new laser crystals	June 5	40	Stromit Chemische Fabrik - cold-hardening liquid plastic for making do-it-yourself imitation stained glass	May 29	17	Kodol polyester fiber expansion at Kingsport, Tenn.	June 19	18
Sperzel Co. - easy pipe holes with new polyethylene form	Feb. 13	109	Strong Cobb Arner, Inc. - acquired by Foremost Dairies, Inc.	May 22	29	Power and steam generating facilities at Kingsport, Tenn.	May 22	30
Sprout-Waldron & Co., Inc. - Muncy, Pa. plant expansion	Feb. 6	31	Struthers Scientific and International Corp. - agreement on water desalting processes	Mar. 20	88	Tennessee Gas Transmission Co. - acquires Packaging Corp.	June 19	33
Squaw Creek Coal Co. - Aicon, Peabody joint venture	Jan. 23	31	Leasing plant equipment gaining popularity in CPE	Feb. 6	66	Cal-Ink Chemical see under name Houston, Tex. methanol unit planned	June 26	23
Stahl Finish Co. - merged into Beatrice Foods	Jan. 30	19	Studaker Corp. - division to be called Paxton Products	Apr. 24	49	Plans to enter the paperboard and packaging field; will purchase Packaging Corp. of America	Apr. 10	54
Stamcarbon N.V. - licenses urea process to Chemio	Mar. 20	99	Subox, Inc. - acquired by Wyandotte Chemical	Feb. 27	23	Tenneco Chemicals Group see Tenneco Chemicals Co., Inc.	Jan. 16	68
Standard Chloride of Delaware, Inc. - Diamond Alkali will back bond issue for chlorinated solvents plant	May 8	22	Sulfrian Cryogenics Inc. - helium dewar	Apr. 17	146	Tenzer Associates - building sealants market	Feb. 20	52
Standard Electric Corp. - polystyrene patent	May 29	63	Sumitomo Chemical Co. - ammonia expansion	June 12	96	Tenax-Werke - purchased by W.R. Grace	Feb. 20	52
Standard Oil Co. - Kalvar Corp. plans purchase	Jan. 30	19	Sumitomo Chemical Co. - ammonia expansion	May 29	37	Texas Co. - computerized drafting	Mar. 20	53
Standard Oil of California - ammonia plant at Pascagoula, Miss. Apr. 3-10	May 1	9	Polyethylene plant at Anegasaki	Apr. 10	66	Tetralin production	May 8	36
California Research Corp. see California Research Corp.	Jan. 16	35	Polyvinyl chloride plant for Taiwan	Feb. 27	24	Los Angeles refinery expansion	Feb. 20	82
Sohio Petroleum buys oil shale land	June 19	17	Sumitomo Chemical Engineering Co. - seeking government approval to obtain ICI ammonia synthesis process from Kellogg	May 17	125	Research and Technical Dept. metal-working fluid	Jan. 16	26
Standard Oil (Indiana) - Puerto Rican petrochemical complex	June 19	17	Sun Chemical Corp. - General Printing Ink Div. - barrier coatings	May 8	64	Texas Eastman Co. - acetaldehyde unit at Longview, Tex. will use titanium	Feb. 20	92
Requests for foreign crude import quotas - see also Pan American Petroleum Corp.	June 19	17	General Printing Ink Div. - flexographic inks	Apr. 17	125	Cyclohexane unit at Longview, Tex. Doubling ethylene capacity at Longview, Tex.	Mar. 20	53
Standard Oil of N.J. - acquisition of Potash Co. of America - U.S. argues move would be illegal short-cut to prime spot in potash industry	Feb. 13	24	Growing market for ink makers	Mar. 20	73	Longview, Tex. acetaldehyde plant will use Aldehyde GmbH process	Jan. 23	75
Potash trial pushes on - company defends merger with Potash Co.	Feb. 20	22	Sun Oil Co. - computerized drafting of isometric piping drawings	Apr. 10	49	Longview, Tex. PE capacity boost	May 22	63
Antitrust trial ends	Feb. 27	15	Price discrimination charges dropped by FTC	May 15	31	PE buildup	Feb. 6	25
Air-separation plant in Houston, Tex.	May 8	36	Toledo refinery expansion program	Feb. 13	28	Texas Gas Utilities Corp. - Coastal States Gas Producing purchases gas	Jan. 16	35
Oil vs. chemicals: feedstock fight nears showdown	June 5	24	SunOlin Chemical Co. - Claymont, Del. plant unit for "ultra-high-purity" hydrogen	June 12	65	gathering and transmission systems	May 1	14
Petrochemical complex in Puerto Rico planned May 15-18, May 22-17	June 5	25	Tube-trailer loading of carbon monoxide	Feb. 13	28	expansion while facing lawsuits by SEC and stockholders	May 15	21
Requests for foreign crude import quotas - Standard Oil (Ohio) - acquisition of Plaster Co. (Ohio)	June 19	17	Sunray DX Oil Co. - petrochemical growth plan pushed; para-xylene startup first step	May 22	29	ICC overrules objections on Canadian sulfur rail rates	June 5	45
Litwin Engineering licensed to export acrylonitrile technology to East Germany Jan. 2-35, Jan. 23-20	Mar. 20	32	Propane-propylene fractionating unit at Corpus Christi, Tex.	May 29	21	'64 sulfur production and consumption study	Jan. 9	79
Melamine resin entry	Feb. 6	24	Susquehanna Corp. - considering joint venture or partnership to put up a phosphate fertilizer plant near Riverton, Wyo.	Apr. 24	52	North Carolina will rank fourth among phosphate-producing states by '66, says L. Miller	Feb. 13	22
Monsanto plant to use acrylonitrile process	June 12	45	Swedlow Inc. - supersonic aircraft creating new demand on materials for windows	Mar. 20	32	Potash production from Moab, Utah mine	Jan. 23	65
Plans acrylonitrile plant near Lima, O.	Mar. 6	17	Swift & Co. - acquires National Wax Co.	Jan. 9	84	Potash production from Moab, Utah mine	Jan. 10	87
Recruiting gambit - "job offer compactor" booklet	May 15	103	Adhesive Products Dept. contact adhesives	Mar. 13	35	Sulfur prices	Jan. 16	61
Toledo, O. refinery expansion Jan. 23-31	May 17	49	Adhesives plant at West Haven, Conn. planned	Mar. 6	31	Whitcomb, Alta. recovery plant expansion completed	Feb. 6	59
Standard Products Co. - Stan Pro line	Jan. 16	70	Buyers Clarence Morgan, Inc. and subsidiaries	June 26	49	Texas Instruments - silver-cladding process	June 12	101
Standard Vacuum Oil Co. - Indonesia takeover - refinery is latest target in anti-U.S. campaign	Apr. 3	48	Korean fertilizer venture	Feb. 6	22	Texas Nuclear Corp. - accelerator target	Jan. 30	52
Stanley Works - U.S. Chemical Div. direct-molding method of producing polyethylene-lined caps	Feb. 13	37	Potash project in Saskatchewan - 50% capacity increase	Jan. 16	35	Tex-Kote Co. - "Sundimmer" coating for Houston Astrodome	May 8	48
Stanley Chemical Div. protective coatings	Feb. 6	92	Synergy Chemicals, Inc. - American Research and Development invests ARD introduces newest chemical investment	Mar. 13	28	Thai Textiles Co., Ltd. - Thailand fiber company formed	Feb. 20	52
Statistical Tabulating Corp. - Data-Mat offers "packaged" programs, rental service	Apr. 17	74	Syntex Corp. - contraceptives - market grows	June 19	21	Thermokinetic Fibers Inc. - whiskers go commercial	Feb. 13	65
Stauffer Chemical Co. - acquires Tosco, Inc.	Feb. 6	25	DMSO grows for drug debut	May 1	52	Thiokol Chemical Corp. - building sealants market	Jan. 16	68
Agricultural Chemical Div. Dayton, N.J. insecticides plant	Apr. 3	23	Dimethyl sulfoxide, marketed as Synthane, on sale in Mexico	May 29	21	Expands rocket operations; awards contract to Kaiser Aerospace	Apr. 10	53
Anderson Chemical Div. tri-isobutyl aluminum prices	Jan. 9	80	Negotiating to acquire Arapahoe Chemicals	Jan. 23	39	Reaction Motors Div. will determine explosive hazards of chemical products on fee basis	Mar. 13	98
Antifouling agents	Feb. 13	110	Symtron Company - iris flow valve	Feb. 20	26	Solid-rocket engine contract cancelled	Apr. 3	13
Directors meet in Mexico City	Jan. 23	44	Synvar Corp. - marketing modified phenolic resin under BASF license that could offer competition to Teflon	Feb. 20	26	Wasatch Div. gets solid-fuel rocket contract	Feb. 20	57
Exploration arm strengthened	Feb. 6	41	TCF of Canada Ltd. - cellulose film plant expansion at Cornwall	Apr. 24	108	letter	Apr. 10	30
Fyrol 6-flame-retardant reactive	May 29	32				Thompson Chemical - PVC plant at Assonet, Mass.	Feb. 27	15
Garfield, Utah ammonium phosphate plant	May 29	21				Production starts	May 1	41

Vickers-Krebs, Ltd. - contract for St. Lawrence Fertilizers' phosphate complex.....	May 8 22	Western Industrial Corp. - Indian fertilizer deal called off.....	June 19 55	Sonneborn Buildings Products - correction - letter.....	May 15 9
Vi-Cly Industries, Inc. - Grow Chemical will buy.....	May 29 21	Western Technology Inc. - centrifugal pump.....	June 12 102	Two new plants at Petrolia, Pa. and Gretna, La. will be brought onstream.....	June 5 30
Victoria Machinery Depot Co. - Western Deuterium Co. Ltd. see Western Deuterium Co. Ltd.....		Westinghouse Electric Corp. - diving saucer for underwater mining.....	Apr. 17 130	Ultra Div. biodegradable sulfonates.....	Jan. 30 62
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Virginia Chemicals & Smelting Co. - Virginia Chemicals Inc. new name.....	Apr. 10 54	Giant gas-turbine for Dow's Freeport, Tex. plant.....	June 5 88	Worthington Corp. - water-desalting conceptual design study contract.....	Feb. 13 41
Virginia Chemicals & Smelting Co. - Virginia Chemicals Inc. new name.....	Apr. 10 54	Japan nuclear plant bidding.....	May 22 83	Wrap-tures Gift Wrap, Inc. - buys two paper plants from Dow Chemical.....	Mar. 20 32
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Voit, W.J. Rubber Co. - air mattress.....	Jan. 30 49	100-watt fuel cell operating on coal gases.....	Feb. 6 80	Wyandotte Chemicals Corp. - acquisition of Subox, Inc.....	Feb. 27 23
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Vomvis Sa - nylon plant being built in Greece.....	Jan. 30 35	Service for underseas researchers: Westing-Arc Div. welding gun.....	Jan. 16 67	Expanding development plans for Geismar, La.....	May 8 22
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Contract awarded for Taiwan plant.....	May 29 37	Weston Chemical Corp. - Morgantown, W. Va. plant planned.....	May 22 59	Joining with Allied's Union Texas Oil to build ethylene plant at Geismar, La.....	Apr. 3 9
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